

# Pest Connection

*Tips for a  
Pest-Free  
Business*

Spring/Summer 2019



## Lumnia: Lighting the Way in Fly Control

### THE FIRST EVER LED INSECT LIGHT TRAP

Flies are constantly buzzing around garbage and rotten produce which doesn't only put humans' health at risk, but also livestock and other goods as well. Without treating a fly issue, a severe infestation is likely to occur. In order to prevent this inconvenience from happening, an investment in an insect light trap is necessary to protect your business.

Lumnia is the first range of insect light traps in the world to use LED lighting, reducing energy consumption up to 61% when compared to traps using traditional fluorescent tubes. Lumnia has three power levels, low, medium and high for different levels of light around the unit. Each power level also has an adaptive mode, which senses the level of light around the unit and reduces the power automatically if the light level falls, for example at night. The attractiveness of light to a fly depends on the relative intensity compared to the ambient light levels, not the absolute amount of light from the bulbs. Therefore, at night,

and in low light levels, the power and the output of the LED bulbs can be reduced and still effectively attract flies.

The LEDs used in the Lumnia are designed to emit the wavelength of ultraviolet light that flies can see. The horizontal reach of UV light from a Lumnia unit is 40% greater than traditional fluorescent tubes. This gives Lumnia a greater range of attractiveness to flies while reducing energy costs. The Lumnia is suitable for internal environments in a wide variety of industries with specific requirements for highly effective fly control.

Our proprietary product range provides aesthetic flexibility for business needs in both public-facing areas such as waiting rooms, hotel lobbies and in high-risk areas found in food retailers, commercial property management, food manufacturing, and pharmaceutical companies.

*[Read full story inside]*

# Food Safety & Pest Management Seminar

A total of 175 people attended Batzner's 29th annual Food Safety and Pest Management Seminar on Thursday, April 11th, 2019.

This year's seminar topics included:

- 2019 Updates in Health Significance of City Mice and Rodents
- Rat Burrow Baiting
- Bird Control
- Small Fly Control & Drain Maintenance Solutions
- Hitchhiking Bed Bugs
- Recent Changes in SQFPests in Shipments

All topics provided information to how commercial businesses can effectively protect their business and keep it pest free.



If you are interested in attending next year's seminar, email [marketing@batzner.com](mailto:marketing@batzner.com).

## 2019 Mosquito and Tick Program

# TAKE THE BITE OUT OF SUMMER!



Make sure mosquitoes are not part of your summer plans and be prepared with Batzner's Mosquito and Tick Program. Along with the sting and itch their bites impart, mosquitoes bring diseases to humans and pets. We care about the health and safety of you and your customers. Let Batzner help keep these biting pests off your property all season long.

### DIY or Professional Application?

You may be tempted to DIY with an over-the-counter fogger or spray; however, unless you are using a commercial-grade product, it will not offer the same long term coverage that a professionally applied product will. DIY products will only offer a temporary solution at best. Our professional treatment focuses on mosquito breeding areas, such as shrubs and shaded areas, rather than the entire property, limiting chemical exposure. This treatment also helps control ticks on the property.

Karl Rowell, Batzner QA and Safety Manager explains, "We use a professional mister that releases tiny droplets, blanketing the foliage surface area more thoroughly than a DIY spray or fogger will. Our targeted technique also limits chemical exposure to people and pets by only applying it to mosquito resting areas."

### Service Options

#### Three and Four Month Programs

Starting in June, the monthly mosquito treatment targets the existing population, while preventing reproduction. This approach is designed to start coverage before a population takes hold, and can be extended for additional months. The program also includes callbacks.

#### Outdoor Event Service

Just need a one-time service for a big event? Services can be customized to the venue and time. It's perfect for corporate events, weddings, graduation parties, picnics and family reunions—your guests will thank you! Call or use the form online for more information. [contact.batzner.com/mosquito](http://contact.batzner.com/mosquito)

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# CALL 800-878-2110

\*\$30 initial service of three treatment package. Existing, contract customers only.

Call today for your free estimate, or read more about our mosquito program online at [batzner.com/mosquito-control](http://batzner.com/mosquito-control)

800.878.2110

# Moth Flies: A Case from the Experts

[Continued from front page]

## The Issue

A food plant, serviced by Batzner, discovers a moth fly infestation in and around their plant. Never having experienced a moth fly infestation to this extent, the plant was forced to shut down for a week. As the moth fly population increased, so did their need for a solution. That's when they called in Skie Gierach, one of Batzner's Operations Managers, to perform a thorough inspection of the property and to locate the source.

## The Inspection

Since moth flies are typically associated with sewage beds, where their larvae feed on sludge and organic matter, Skie first performed an inspection of the septic tank. Upon discovering the septic tank was not responsible for the massive swarms of flies, and knowing the facility used a lagoon down the road to hold water, Skie headed toward the water source. As he drove, Skie noticed the density of the moth flies increased as he closed in to the proximity of the lagoon and a nearby farm field.

## The Surrounding Area

Holding more than 500 million gallons of water, the lagoon consisted of waste water from the plant. This water was recycled and used to irrigate the nearby farm field. Combined, the lagoon and farm field were approximately 600 acres.

## The Issue Discovered

It was discovered, that due to a lack of aeration in the lagoon, organic matter began to buildup on the surface. The combination of stagnant water and warmth from the sun encouraged the organic growth, and in return, provided the ideal environment for the moth flies to flourish. However, the lagoon wasn't the only site. The lagoon water used to irrigate the farm field, which was already saturated with water, provided even more organic buildup, creating a second location for the flies to reproduce.



## Problems for the Food Plant

At night, the lights from the food plant attracted the flies to the building. The lights, in combination with strong winds, caused the flies to settle on the outside of the building, breeding in any organic water they could find, including puddles on the roof. Moth flies on the roof were sucked inside through the HVAC system.

## Solution

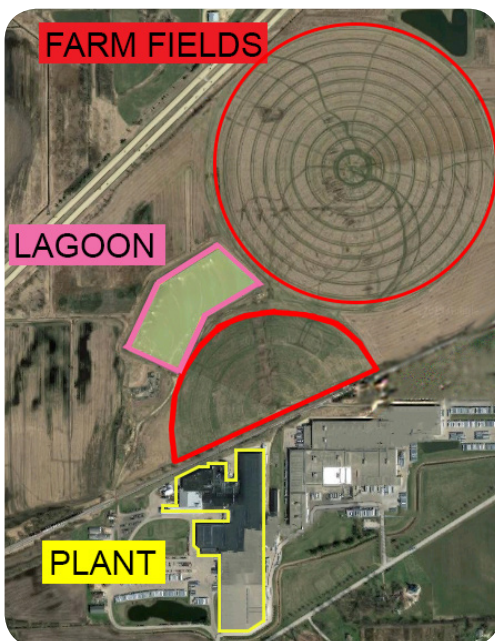
In order to eliminate this infestation in the quickest way possible, two treatments of larvicide were applied to the lagoon to prevent hatching. A treatment, using a gas granular spreader, was evenly applied around the perimeter of the lagoon. The nearby farmers also contributed by treating their field, weekly. Eight insect light traps were added to the existing 20 that the plant already had. The weeds and organic buildup on the roof were treated and daily exterior treatments were applied around the doors to reduce the number of flies on the building and to prevent them from getting inside. The moth flies were eliminated in 30 days.

## Features and Benefits

- **Effective solution at a lower cost.** High attraction output LED lamps are optimized to catch more flies while also reducing power consumption. The Lumnia insect light trap can save up to 61% of energy compared to equivalent competitors.
- **Optimized for attraction and catch rate.** Lumnia is proven best in class and is the first LED unit that genuinely works. Versatile, modern designs to suit your location, Lumnia's proven performance reduces contamination risks and protects your reputation. The product range consists of three high-performing units of a modern, seamless design, while offering lower glare from LEDs and reduced visibility of caught flies. Units also switch between Monitor and Control modes to suit customer and location requirements.
- **Environmentally friendly.** The units have several energy modes that will adapt to day and night, reducing consumption and contributing to a lower environmental footprint. The low energy LED lamps have a three-year life span and use less energy to run than a standard insect light trap.

Additional Lumnia features allow for further customization to suit the unique needs of any business, including:

- Adjustable light settings
- Active lighting mode adapts output based on ambient light
- Modular design allows for either glueboard or encapsulation
- Control or monitoring mode selection, based on flying insect activity level, using less energy in monitoring mode





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