



Quality Pheromones and Trapping Systems

Insects Limited, Inc. researches, tests, develops, manufactures, and distributes quality pheromones and trapping systems for food infesting insects to a global marketplace with a focus on the statement above. At our core, Insects Limited focuses on bringing **Science, Education, and Innovation to the Stored Product Industry.**

All Beetle RTU Re-Bait Cartridge (IL-1715)



Product Description

Working closely with the pest control industry, Insects Limited recognized pest control operators and residential customers alike needed a Ready-To-Use (RTU) device that could fit in areas suspected of insect infestation without taking up any space.

This kit includes multi-species beetle attractants packaged in individually sealed and ready to use Re-Bait cartridges. Each cartridge contains a pheromone and food attractant gel mix that is used to monitor for the presence of food infesting beetles including; Cigarette Beetle, *Lasioderma serricorne*, Warehouse Beetle, *Trogoderma variabile*, Red Flour Beetle, *Tribolium castaneum*, Confused Flour Beetle, *Tribolium confusum*, Saw-Toothed Grain Beetles, *Oryzaephilus surinamensis*, Merchant Grain Beetle, *Oryzaephilus mercator*, Flat Grain Beetles, *Cryptolestes pusillus*, and many other species of food-infesting beetles.

The RTU Re-Bait Cartridges are meant to be paired with the All Beetle trapping system. Each All Beetle trap has a clear view lid for easy inspection, a sturdy polypropylene base and a replaceable Re-Bait tray that snaps in from below.

This low-profile trap slides easily beneath equipment or fits nicely into corners or along walls.

How It Works

When the RTU Re-Bait Cartridges are paired with the All Beetle trap, this trapping combination will allow you to monitor food storage areas to help determine:

Is there a presence of beetles in the suspected area? If yes, then the All Beetle trap can help pinpoint the infestation.

Are the number of beetles present increasing or decreasing?

If continuing to increase, further investigation or professional measures need to be taken.

How the All Beetle Trap compares to other products on the market when it is paired with the RTU Re-Bait Cartridges, IL-1715.

The All Beetle trap with Re-Bait Cartridges has been tested by multiple third-party professionals in both the lab and the field and has proven to be the most effective device on the market. Because of its clear top, the All Beetle RTU trap is the easiest on the market to place out and inspect.

Competing traps take too much time and effort. The All Beetle RTU allows the user to simply peel off the foil seal, snap it into place in the trap and it is ready to go.

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Another benefit for a professional is the reduction of time spent walking to each device, kneeling, taking off the top, and counting the insects of an already, too small, adhesive area.

The clear top in the All Beetle trap allows professionals to simply glance down at the device to find out if there is a presence of insects. If not, they simply keep moving, allowing more time for inspection. The loop on the top of the All Beetle Trap allows the device to be tethered to a permanent object therefore reducing the possibility of a lost device as well as lost insect data.

To ensure the lid will not pull off with the tether, Insects Limited has created deeper hooks as well as securing joints between the clear top and the blue base. The top is vented in 3 places to allow for the disbursement of pheromone and kairomone attractant.

How the All Beetle Trap is Designed

The RTU Re-Bait Cartridge was conveniently designed using pheromones and a food attractant as a clean way to monitor for the presence of insects from multiple species. The attractant gel has already been placed into the trap cartridge, the user only needs to peel off the foil seal and it is ready to use.

The All Beetle trap was methodically designed by entomologists who work with and study the target insects every day, and who understand the need of an easy-to-inspect device. They ensured the device lay flat so as to not have any obstacles for the insects to climb.

The slope of the All Beetle trap is mathematically calculated to ensure the insects will create momentum ascending the trap, and meets a curved edge forcing the insect to fall into the adhesive to be captured instead of making the decision to descend back down the slope preventing capture.

Our entomologists spent hours observing the insects to determine a texture of the slope to complement the insect's behaviors that were observed.

What inspired its creation?

As a company based on science, innovation, and quality products (and education), our entomologists realized there was no trap available in the market created with the behavior and biology of the insects taken into account.

We also knew the need for an RTU trapping system that was easy to inspect. When paired with the All Beetle trap, The RTU Re-Bait Cartridges are the only monitoring system available that was designed thinking of both the science of the insect and the art of pest control.

How was the product tested?

We first start with intense lab testing. Our entomology lab has 1x1 meter arenas set up where we actively attempt to create an environment the insect will not want to leave.

We give them everything they need, but we also present them with the opportunity to travel to our trap and the attractant inside. If our attractant and trap can pull the insect out of the optimal environment in the lab then we are ready to test the devices in the field.

We have created relationships with some of the best pest control operators in the industry. We trust these PCOs to test our products thoroughly and give us honest feedback. If we receive not only positive feedback, but feedback that our product works better than others, then we are ready to take our design to manufacturing and make it available to everyone.

Shipping Information

Each set of 10 RTU Re-Bait Cartridges has dimensions of 6 inches X 6 inches X 4 inches and weighs 1 lb for shipping purposes. Online customers can choose their shipping options at checkout. Orders placed before 3pm EST typically get processed that day. If placed after 3pm EST, your order will be processed the next business day. Orders are shipped Monday-Friday.

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