



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.**

Pantry Patrol Display Case IL-1700-24



Product Description

Working closely with the pest control industry, Insects Limited recognized that pest control operators and residential customers alike needed an easy and effective device that could fit in areas suspected of insect infestation without taking up much space.

This Pantry Patrol Display Case includes 12 boxes that each contain two Pantry Patrol traps and two pheromone gel squeeze packs for a total of 24 traps total. Each pheromone squeeze-pack includes a multi-species beetle and moth pheromone attractant along with a grain-based food attractant in a gel formulation to attract food-infesting insects. The pheromones included in the gel include; red flour beetle, confused flour beetle, cigarette beetle, warehouse beetle, rice weevil, Indian meal moth, almond moth, Mediterranean flour moth and food attractants that work well for saw-toothed grain beetles, and many more species.

Each Pantry Patrol trap is triangular in shape with a built-in pitfall area to capture insects. This low-profile trap slides easily beneath equipment or is designed to slide directly into corners or can be placed along walls.

How It Works

The pheromone/food-attractant gel is squeezed into the pitfall area of the trap. The trap is then placed into the corner of a pantry, kitchen or storeroom, or they can be placed onto shelving or onto store shelves. The traps can immediately begin to draw-in insect pests who will climb up the engineered ramp and fall into the pitfall area of the trap. The insects that fall into the gel in the pitfall, will immediately drown in the pheromone gel and oil mixture.

Features and Benefits

The Pantry Patrol trap and gel system in each box of the Display Case will allow you to monitor the areas needed to help determine:

- Is there a presence of insects in the suspected area? If yes, then the PantryPatrol trap can help pinpoint the infestation.
- Are the number of insects increasing or decreasing?
- If continuing to increase, further investigation or professional measures need to be taken

How the Pantry Patrol Trap compares to other products on the market

The PantryPatrol trapping system gives its users the best 'bang for their buck' as they work well, are easier to use than other traps and the market and are a great price point compared to other stored product pest traps. Each Display Case comes with 12 printed boxes ready to give out or sell. Each box contains two triangular traps with an engineered ramp and built-in pit and two PantryPatrol pheromone gel packs, each containing 3 cc's of a pheromone/grain-based food attractant gel that attracts numerous stored product insects.

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How the Pantry Patrol Trap is Designed

The gel 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 is in individually packaged 3 cc squeeze tubes for easy placement.

The Pantry Patrol trap was methodically designed by entomologists who work with and study the target insects every day, and who understand the needs 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 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 pitfall area that contains the gel attractant.

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

How This Product Can Help You

How to be certain this is the right product for your needs: Pheromone monitoring is tedious, but necessary. Through third party efficacy confirmation, and the forethought of an easy to trap, the Pantry Patrol trap with Gel will ensure you are getting the most accurate insect data while making your inspection efficient and allowing you to determine and solve the problem quickly.

What to Expect with Your Order

Many customers purchasing the Pantry Patrol trap with Gel are doing so because they suspect the presence of food infesting insects.

Once the PantryPatrol Display Case is received, you will find 12 printed boxes neatly in order and on display from front to back. Each box contains two PantryPatrol Traps and two PantryPatrol pheromone gel squeeze tubes. When you are ready to use a trap, tear off the thin top portion of the squeeze pack and gently squeeze the gel into the pitfall area of the trap.

When the PantryPatrol trap with Gel is loaded with its attractant, place the device on a flat surface roughly 2-5m (5-15ft) apart. Depending on the levels of infestation, insect catches could happen within 24 hours 2 weeks.

The Story Behind the Trap

Obstacles We Overcame to Make a Great Product

Getting the dimensions of the trap correct was difficult. Some insects crawl well. Some have more trouble. In particular, our trap was designed to suit the needs of the weakest crawling insect, the flour beetles. These beetles have little hairs on their tarsals (feet) making it difficult to climb up smooth surfaces.

Our entomologists spent many hours observing these insects attempting to climb different iterations of the trap. After purchasing the device, be sure to take note of all of the intricate details included because of our scientific observations.

How the Product was 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 pest management specialists 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.

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