

# Trap & Lure Guide - Food Pests

## Indian Meal Moth (*Plodia interpunctella*)



**Adults:** Up to 13mm long with wings that have brown copper tips. The part of the wings closest to the head is off white.

**Eggs:** Oval, ivory in colour and 2mm long

**Larvae:** Creamy white, brown head capsule. Colouration varies from cream to light pink color, sometimes pale green.

**Pupae:** Pupal cases are whitish with a yellow to brownish coloured pupa inside.

**Trap:** NoSurvivor™ Trap (IL1100)

**Lure:** Food Moth Bullet Lure (IL103) or PTL Multi-Species Bullet Lure (IL108)

## Tobacco Moth (*Ephestia elutella*)



**Adults:** The wings from tip to tip are up to 16mm and the hind wings are uniformly grey. The upper wings are greyish brown with two light colored bands extending across each forewing.

**Eggs:** Oval, ivory in colour and 2mm long.

**Larvae:** Cream coloured, brown head capsule, with rows of spots along the back. Microscopic examination is required to separate from other Ephestia moths.

**Pupae:** Pupal cases are whitish with a yellow to brownish coloured pupa inside.

**Trap:** NoSurvivor™ Trap (IL1100)

**Lure:** Food Moth Bullet Lure (IL103) or PTL Multi-Species Bullet Lure (IL108)

## Mediterranean Flour Moth (*Ephestia kuehniella*)



**Adult:** Up to 20mm long with forewings are pale grey with transverse black wavy bars and the hind wings are dirty white in color.

**Eggs:** Oval, ivory in colour and 2mm long.

**Larvae:** Larvae are 13-16mm long. Mediterranean Flour Moth colouration ranges from white to pink. The heads are dark and hard.

**Pupae:** The pupa form a brown, spindle shaped cocoon approximately 9mm long.

**Trap:** NoSurvivor™ Trap (IL1100)

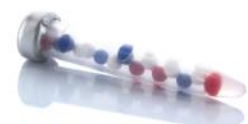
**Lure:** Food Moth Bullet Lure (IL103) or PTL Multi-Species Bullet Lure (IL108)



NoSurvivor™ Trap  
(IL1100)



Food Moth Bullet Lure  
(IL103)



PTL Multi-Species Bullet Lure  
(IL108)

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## All Beetle Trap with RTU Gel Cartridge

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

This Trap includes a multi-species beetle attractant packaged in an individually sealed and ready-to-use Re-Bait cartridge. 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 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.



**Order codes:** IL2750 - All Beetle Trap with RTU Gel Cartridge & IL1750 - All Beetle RTU Re-Bait Cartridge

### *It's all in the design*

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 for 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.



**Confused Flour Beetle**  
(*Tribolium confusum*)



**Cigarette Beetle**  
(*Lasioderma serricorne*)



**Red Flour Beetle**  
(*Tribolium castaneum*)



**Rice Weevil**  
(*Sitophilus oryzae*)



**Saw-Toothed Grain Beetle**  
(*Oryzaephilus surinamensis*)



**Warehouse Beetle**  
(*Trogoderma variabile*)