

MONITORING TRAP

PRODUCT NAME: Black stripe funnel trap kit
PRODUCT CODE: 10103

PRODUCT DESCRIPTION

A 3 part, self-assembly funnel style trap with lures. The funnel trap, as the name implies, is designed so that insects attracted by the incorporated pheromone lure fall into a funnel shaped catchment area down into a holding bucket below. The patented black stripes increase trap catch. The shape of the funnel prevents the insects from escaping holding them until the trap is inspected. An insecticide may be added to kill the trap insects further reducing the possibility of escape and prevent damage to the specimens for subsequent identification.

TRAP

Approximate Dimensions (Assembled)	190mm diameter x 220mm high
Approximate Lid Dimensions	190mm diameter
Approximate Funnel Dimensions	158mm diameter x 110mm high
Approximate Base Dimensions	158mm diameter x 165mm high
Material	Polypropylene
Colour:	Lid – Green Funnel - Yellow Base – White with black stripes
Approximate Weight (per Trap)	270g

LURE

Dispenser	Vial
Material	Polyethylene
Packaging	Individually Sachet Packed
Sachet Material	Foil Lined Laminate

Kit Contents	1 Trap, 1 Lure holder, 1 Hanger, 1 Trapping record card, 4 <i>Ephestia</i> / <i>Plodia</i> lures
Packaging	Box
Pack size	16 Kits

RECOMMENDATIONS FOR USE

SPECIES NAME: *Ephestia spp.* and *Plodia spp.* (Fam: Pyralidae)
Stored Products Moths

PEST STATUS:

A group of closely related species which are serious pests of stored products throughout the world. Larvae eat fruit and grains and produce large amounts of webbing over the feeding surfaces.

GENERATIONS:

There are multiple generations per annum depending on location and climate and the levels of heating in storage areas.

TRAPPING SEASON:

Throughout the year depending on climate and storage conditions.

SELECTION OF THE FUNNEL TRAP:

The funnel trap is used predominantly where the target species is, for example, a large moth which would be difficult to trap on the glue of a Delta trap and/or where the insect occurs in large numbers and is therefore likely to quickly saturate the sticky surface of the Delta. It is also often used in dusty areas where the dust is likely to impair the functioning of the glue used in the Delta traps.

TRAP PLACEMENT & DENSITY FOR MONITORING:

Traps should be positioned conveniently for inspection and for other operations (i.e. movement of goods) in the area being monitored. This generally means above head height in areas where there is limited or no vehicular movement and away from aisles etc. where fork lift trucks are in operation - this is to prevent the traps interfering with normal work and to prevent them from being damaged. Given that the pheromone plume or trail is carried by moving air currents it is logical that, in buildings where monitoring is being carried out, the traps should be positioned at the top end of the prevailing air movements to allow the plume or trail of attractant to disperse through the building. Traps should be used in areas liable to infestation or re-infestation. Depending upon the type of premises these may include incoming goods areas, manufacturing or production areas and connecting corridors and passageways. Where the building has a high roof some of the traps should be located up as high as is convenient. This is because warm air rises and the adult moths are attracted up to and fly freely in the warm air. Use a maximum trap density of one trap per 600 cubic metres (equivalent to 100 sq.m. of floor area in a building of 6m height). In large open buildings the density may be reduced to one trap per 2500 cu.m. (equivalent to 800 sq.m. of floor area at in a building of 6m height)

DO NOT:

- locate traps against walls or anywhere where air turbulence may create false or misleading trails.
- locate traps next to open windows, doors or ventilation ducts where the air movement will take the plume directly out of the building, away from the area being monitored.

CHANGE OF LURES AND TRAP SERVICING:

Lures should be changed every 6 weeks or earlier. Dispose of the empty sachet away from the area being monitored. **DO NOT** try to open or tamper with the closed dispenser - it should be used exactly as it is when removed from the sachet. The funnel traps should be emptied weekly to avoid the trap filling and repellency from putrefaction of the insects caught. Where the toxicant strip is used this should be changed when lures are changed.

OBSERVATIONS AND DATA RECORDING:

Catches should be recorded weekly in low populations but more frequently in areas with high populations. Record catches against the location of each trap on a trap record card and retain for future reference. Over time operators may find particular areas where new infestations always start or locations which are particularly liable to infestation and where other corrective measures could usefully be applied.

SPECIFICITY:

In cases where two insect species share a very similar pheromone there is a possibility that both species will be trapped. This is not normally a problem where the two species are readily distinguishable. Should there be any difficulty with insect identification it is recommended that you contact your local Ministry of Agriculture or consultant.

NOTE:

To avoid affecting the efficiency of the trapping system it is strongly recommended that traps be used for only the one species. Never use the lures for other species in this trap.

STORAGE AND HANDLING RECOMMENDATIONS:

The pheromone dispensers from Suterra are supplied in labelled and batch coded vapour proof sachets. The dispensers are provided either separately or as components of monitoring systems inside system boxes together with the appropriate trap. The dispensers and systems should be kept under good storage conditions at below 15°C. Kept under these conditions the dispensers and systems will retain their activity and attractancy for a minimum of 12 months. Bulk storage of dispensers for periods of up to 18 months is possible by refrigeration at temperatures of 4°C or below. We do not recommend storing dispensers for more than this time even in a refrigerator. Suterra pheromone dispensers have a known and declared period of activity after opening of the sachet. After this time the expired pheromone dispenser should be renewed. The old dispenser should be completely removed from the area of use and destroyed to prevent interference with the fresh replacement/ recharge dispenser.

Version No	Date	Reason for Revision
1	22/06/12	First issue

For Safety, Environmental and Disposal details see the corresponding Material Safety Data Sheet