

Stored Product Moth Trapping



- Easily identify pests
- Detect new infestations early
- Locate small insect numbers
- Optimise pesticide applications
- Reduce the number of control treatments
- Assess the efficiency of control measures



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www.agrisense.co.uk





Moth Trapping

Moths are a serious pest in industries that require the long term storage of organic materials. Moth larvae can directly attack or damage through spoilage many cereal based foods, confectionary such as chocolate, food and fabrics such as clothing or tapestries or dried leaf materials such as tobacco. They are responsible for the largest number of customer complaints regarding cereal foods and cause considerable economic damage.

Monitoring is the major element in protecting produce and materials against the pests that occur. Pheromone lure traps use the insects own sex attractant against them. Pheromones are the natural chemical messengers emitted by females to attract males. By copying these compounds and combining them with controlled

release technology, AgriSense produces lures to attract male moths into traps from which they cannot escape.

The major group of food storage moths are attracted by one blend of pheromones which is commonly referred to as the *Ephestia/Plodia* lure. The blend can be adjusted to attract individual *Ephestia* species or *Plodia*, the Indian Meal Moth, alone.



Complete Solutions

The AgriSense product range covers all pests, environments and costs. Whether it is permanent monitoring stations or temporary disposable traps, indoor or outdoor applications, AgriSense has a trap to suit the situation. You can also choose from a full range of pheromone lures for stored product pests, with the main *Ephestia Plodia* lure also available as a long life 12 week Spectrum™ lure.

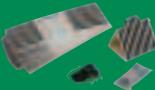


Tips & Techniques in Moth Trapping

- Pheromone monitoring is a vital part of any integrated pest management programme. AgriSense understands this and provides a full range of traps & attractants to make your job easier.
 - Large semi permanent traps can be placed 10-20m apart at easily inspected heights as a large area monitor.
 - Use larger numbers of disposable delta traps and SP Locator detector traps to quickly locate infestations sources to exact pallets or containers. These can then be removed quickly, thus preventing further infestation and reducing the need for treatment.
 - Keep records. This will create a knowledge base to help you treat problems quickly and effectively.
 - Moths mainly fly at night meaning it can take time for an infestation to be noticed, pheromone trapping works 24 hours a day and will show infestations quickly.
- Good hygiene, harbourage denial and quarantine of inbound stock are recommended. These insects can survive on a small amount of food.
- Examine packages to avoid bringing damaged goods and storage pests into stores.
- Check for the following signs of infestation
 - Larvae in food packaging
 - Unsightly webbing
 - Cast skins
 - Frass (faecal pellets).
- Ventilate the storage area to discourage moisture-loving pests. Susceptible materials stored for six months or more, especially during the hot summer months, can cause serious infestations.
- Place some traps outdoors in food production areas especially around bins to catch moths coming from outside.
- Dispose of heavily infested foods in wrapped, strong, plastic bags or in sealed containers for garbage disposal service.
- Be sure to carefully examine foods, in the least disturbed storage areas. Inspect unopened cardboard boxes since pests can chew into these boxes and plastic inserts.
- There may be multiple generations per year in some locations. The life cycle depends on temperature so a year round monitoring programme is essential.
- Black stripe products are proven to increase attraction.
- Use a clear base product to enable easier inspection.
- Moths have wide feeding preferences. E.g. the Indian Meal Moth (*Plodia interpunctella*) will attack all cereal food products and whole grains, and feeds such as dried fruits, powdered milk, cornmeal, flour, raisins, prunes, nuts, chocolate, confectionary, health food and seeds, bird seed, dog and cat food, fish food, crackers, dried peppers, pastas, etc.



Stored Product Moths

	Product	Description
Traps for stored product moths		SP Locator A small trap ideally suited for placement in, under and around pallets for final identification of the infestations' source. Place up to 5m apart.
		Black Stripe Disposable Trap Kit Available as Tobacco Moth Kit (<i>Ephestia elutella</i>) and as a Stored Product Moth Kit (<i>Ephestia / Plodia</i>) including lures and hangers.
		Easiset Delta Trap A large plastic delta trap for semi permanent monitoring over large areas and outdoors.
		Black Stripe Funnel Trap As a permanent trap it is the perfect tool for long term monitoring. Benefiting from the unique AgriSense black stripe design, it is proven to increase catch by up to 15%. Available as clear, striped or white striped base.
		Funnel Trap As a permanent trap it is the perfect tool for long term monitoring. A large area trap that is the essential first stage of any stored product monitoring regime. Available in other colours.
Pheromone trap components and accessories		Sticky base for Easiset Delta Traps White "fold-out" glue cards for use on delta traps.
		Sticky Liner for Funnel Traps Glue coated card inserts for use in the funnel trap.
Pheromone lures		All pheromone dispensers are produced to rigorous quality standards, packed in vapour-proof, sealed sachets with production date codes and a field activity duration of 6 weeks or 12 weeks. FOOD MOTH PESTS 6 week lures BFL119 <i>Ephestia spp & Plodia interpunctella</i> Stored Product Moth BFL026 <i>Ephestia cautella</i> Almond Moth BFL027 <i>Ephestia elutella</i> Warehouse or Tobacco Moth BFL028 <i>Ephestia figulilella</i> Raisin Moth BFL029 <i>Ephestia kuhniella</i> Mediterranean Flour Moth BFL102 <i>Nemapogon granellus</i> European grain Moth BFL054 <i>Plodia interpunctella</i> Indian meal Moth
		LongLife 3 month lures: Spectrum Series for (<i>Ephestia spp. / Plodia interpunctella</i>) BFL300 Spectrum™ Blue for use January - March BFL301 Spectrum™ Green for use April - June BFL302 Spectrum™ Red for use July - September BFL303 Spectrum™ Yellow for use October - December
		FABRIC MOTHS 6 week lure BFL190 <i>Tineola bisselliella</i> Standard Clothes Moth Lure 12 week lure BFL190L <i>Tineola bisselliella</i> Long Life Clothes Moth Lure

AgriSense products are available through national pest control product distributors. Should you be unable to find one, please contact us through our website and we will assist you with your enquiry.

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