Product Guide
Quality Pheromones & Trapping Systems
Welcome to Insects Limited, Inc.

**HISTORY**

Insects Limited, Inc. specializes in a unique niche of pest control that started out as an idea and has developed into a business that provides a range of products and services that are becoming mainstream in protecting stored food, grain, tobacco, timber, museum objects and fiber worldwide.

Insects Limited was established in 1982. It was founded on a statement made by an entomology professor at Purdue University in 1974 while owner Dave Mueller was attending college: “The future of pest control is without the use of toxic chemicals.”

Today, Insects Limited, Inc. researches, tests, develops, manufactures, and distributes pheromones for stored product insects throughout North America and in over 60 countries worldwide.

Please take a few moments to review this product catalog. It contains a variety of useful tools with which you can monitor the presence or absence of pest insects.

Prevention and monitoring can help you reduce or eliminate your need for pesticides. We believe that you should use the target pest as the initial starting place when a pest problem needs a solution. “A problem can’t be solved unless it can be measured.”

In all, our aim is to strive to provide the absolute best products and services available worldwide, to be respected, and maintain profitability with innovation, alternatives, and education.

— The employees of Insects Limited, Inc.

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Welcome to Insects Limited, Inc.
PTL Multi-Species Pheromone Lure
Attracts: Indianmeal moth, Cigarette beetle, Warehouse beetle
Almond moth, Mediterranean flour moth, Tobacco moth
Cabinet beetle and more
Kit contents: 10 All Beetle traps, 10 Pheromone Gel Dispensers,
Instruction sheet
10 x 10 kits/case
IL-2700-10  kit (10)
IL-2700-100  case (100)

NEW

All Beetle Trap with Gel Kit
Attracts: Rice weevil, Grain beetles, Lesser grain borer,
Warehouse beetle, Cigarette beetle, Flour beetles and more
Kit contents: 10 All Beetle traps with sticky boards, 10 SPB Pheromone Lures,
Instruction sheet
10 x 10 kits/case
IL-2800-10  kit (10)
IL-2800-100  case (100)

PTL Multi-Species NoSurvivor™ Trap Kits
Kit contents: 10 sticky traps with hangers, 10 Bullet Lures, Instruction Sheet
10 x 10 kits/case
IL-170-10  kit (10)
IL-170-100  case (100)

Visits www.insectslimited.com for current pricing and to order on-line.
Controlling Indianmeal Moths
A technology using large doses of pheromone is available from Insects Limited, Inc. to control Indianmeal moths, Mediterranean flour moths, and Almond moths. This U.S. EPA registered technology shuts down male moth communication and offers the first pheromone based control tool for stored product protection.

Allure MD™
Mating disruption of male moths occurs after one to two weeks. This small dispenser is loaded with large amounts of pheromone that is dispersed in the air and causes the male moths to stop searching for females. This delayed mating response causes the females to die without mating. This lowers the moth population resulting in fewer moths and fewer customer complaints.

Place one Allure MD every 500–1500 sq. ft. The dispenser will last for 90 days.

IL-106-25  5 dispensers/pouch, 5 pouches/box

Moth Suppression™
This female attractant is placed in a sticky trap. It works together with the Allure MD to offer a combination system to help control Indianmeal moths and related moths. Female moths are lured to this sticky trap and the potential for thousands of fertile eggs can be eliminated.

Place one Moth Suppression Trap/lure every 1500–3000 sq. ft. Lures last for 30 days.

IL-160-10  10 traps, 20 lures/kit
IL-160-100 100 traps, 200 lures/case

After Allure MD causes the male Indianmeal moth population to crash in this food warehouse, the female moths start to search for a male to mate, and eventually get captured in the Moth Suppression traps.
**RED FLOUR BEETLE / CONFUSED FLOUR BEETLE**

**All Beetle Trap with Gel Kit**

*Kit contents:*
- 10 All Beetle traps, 10 Pheromone Gel Dispensers, Instruction sheet
- 10x10 kits/case
- IL-2700-10 kit (10)
- IL-2700-100 case (100)

**PantryPatrol™ Corner Trap Kits**

*Kit contents:*
- 24 traps, 24 pheromone/gel dispensers.
- Includes pheromone for Flour beetles, Indianmeal moth, Warehouse beetle, Cigarette beetle, Rice weevil, Lesser grain borer
- IL-1700-24 display case (24 traps)
- IL-1700-100 bulk case, no pkg. (100 traps)

**CIGARETTE BEETLE**

**NoSurvivor™ Trap Kits**

*Kit contents:*
- 10 traps with hangers, 10 Bullet Lures/kit
- 10x10 kits/case
- IL-564-10 kit (10)
- IL-564-100 case (100)

**PTL Multi-Species NoSurvivor™ Trap Kits**

*Attracts:*
- Indianmeal moth, Warehouse beetle, Cigarette beetle

*Kit contents:*
- 10 traps with hangers
- 10x10 kits/case
- IL-170-10 kit (10)
- IL-170-100 case (100)

**Serrico™ Trap Kits**

*Kit contents:*
- 10 traps, 10 food lures, 10 sex-attractant lures/kit
- 10x10 kits/case
- IL-500-10 kit (10)
- IL-500-100 case (100)

Visit www.insectslimited.com for current pricing and to order online.

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

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

**Serrico™**
*(Lasioderma serricorne)*
Warehouse/Khapra Beetle

**All Beetle Trap with SPB Lure Kit**

*Kit contents:* 10 traps with sticky boards, 10 SPB Pheromone Lures, Instruction Sheet
10 x10 kits/case
IL-2800-10 kit (10)
IL-2800-100 case (100)

**NoSurvivor™ Trap Kits**

*Kit contents:* 10 traps with hangers, 10 Bullet Lures/kit
10 x10 kits/case
IL-264-10 kit (10)
IL-264-100 case (100)

See page 5 for Corner Trap Kits.

Saw-toothed Grain Beetle / Merchant Grain Beetle

**All Beetle Trap with Gel Kit**

*Kit contents:* 10 All Beetle Traps, 10 Pheromone Gel Dispensers, Instruction Sheet
10 x10 kits/case
IL-2700-10 kit (10)
IL-2700-100 case (100)

**PantryPatrol™ Trap Kits**

*Kit contents:* 24 traps, 24 pheromone/gel dispensers.

**Attracts:** Flour beetles, Indianmeal moth, Warehouse beetle, Cigarette beetle, Rice weevil, Lesser grain borer
IL-1700-24 display case (24)
IL-1700-100 bulk case, no pkg. (100)

Almond Moth / Tobacco Moth

**NoSurvivor™ Trap Kits**

*Attracts:* Almond Moth
*Kit contents:* 10 traps with hangers, 10 Bullet Lures/kit
10 x10 kits/case
IL-170-10 kit (10)
IL-170-100 case (100)

**NoSurvivor™ Trap Kits**

*Attracts:* Tobacco Moth
*Kit contents:* 10 traps with hangers, 10 Bullet Lures/kit
10 x10 kits/case
IL-180-10 kit (10)
IL-180-100 case (100)
**STORED PRODUCT PHEROMONE KITS**

**RICE WEEVIL / MAIZE WEEVIL**

*All Beetle Trap with Gel Kit*

- **Kit contents:** 10 All Beetle traps, 10 Pheromone Gel Dispensers, Instruction sheet
- **10 x10 kits/case**
  - IL-2700-10 kit (10)
  - IL-2700-100 case (100)

*PantryPatrol® Corner Trap Kits*

- **Kit contents:** 24 traps, 24 pheromone/gel dispensers.
- **Attracts:** Flour beetles, Indianmeal moth, Warehouse beetle, Cigarette beetle, Rice weevil, Lesser grain borer
- **IL-1700-24 display case (24)**
- **IL-1700-100 bulk case, no pkg. (100)**

**LESSER GRAIN BORER / LARGER GRAIN BORER**

*NoSurvivor® Trap Kits*

- **Kit contents:** 10 traps with hangers, 10 Bullet Lures/kit
- **10 x10 kits/case**
  - Lesser Grain Borers
    - IL-900-10 kit (10)
    - IL-900-100 case (100)
  - Larger Grain Borers
    - IL-950-10 kit (10)
    - IL-950-100 case (100)

**HIDE BEETLE**

*All Beetle Hide Beetle Kit*

- **Kit contents:** 10 All Beetle Traps with sticky boards, 10 Hide Beetle Lures, Instruction Sheet.
- **10 x10 kits/case**
  - IL-2000-10 kit (10)
  - IL-2000-100 case (100)

*Flat Trap Kits*

- **Kit contents:** 10 traps with hangers, 10 Lures/kit
- **10 x10 kits/case**
  - IL-1000-10 kit (10)
  - IL-1000-100 case (100)

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**VISIT WWW.INSECTSLIMITED.COM FOR CURRENT PRICING AND TO ORDER ON-LINE**
Museum/Fabric-Pest Pheromone Kits

**WEBBING CLOTHES MOTH / CASEMAKING CLOTHES MOTH**

**Flat Trap Kits**
*Kit contents:* 10 traps
- 10 Bullet Lures/kit
- 10x10 kits/case

For Webbing Clothes Moth
- IL-120-10 kit (10)
- IL-120-100 case (100)

**NoSurvivor™ Trap Kits**
*Diamond Trap*
- IL-1100-10 10/pack
- IL-1100-100 100/pack

For Casemaking Moth
- IL-220-10 kit (10)
- IL-220-100 case (100)

**VARIED CARPET BEETLE / BLACK CARPET BEETLE**

**Flat Trap Kits**
*For Varied Carpet Beetle*
*Kit contents:* 10 traps,
- 10 Bullet Lures/kit
- 10x10 kits/case
- IL-110-10 kit (10)
- IL-110-100 case (100)

*For Black Carpet Beetle*
*Kit contents:* 10 traps,
- 10 Bullet Lures/kit
- 10x10 kits/case
- IL-130-10 kit (10)
- IL-130-100 case (100)

**All Beetle AA Carpet Beetle Kit**
*Kit contents:* 10 All Beetle traps with sticky boards,
- 10 AA Multi-Species Carpet Beetle Lures,
- Instruction Sheet
- 10x10 kits/case
- IL-2110-10 kit (10)
- IL-2110-100 case (100)

**MUSEUM KIT**
*Kit contents:* 10 Flat traps, 10 Trapper Monitor traps. Also contains 2 lures for Varied carpet beetle, 2 lures for Black carpet beetle, 2 lures for Webbing clothes moth, 2 lures for Cigarette beetle, and 2 lures for Warehouse beetle. ID Chart and instructions are enclosed. This Museum Monitoring System contains No Pesticides.
- IL-250-20

**LARVAL DERESTID MONITORS**
*Kit contents:* 10 cards with Protein Bait (no pheromones). No glue surface—a monitor only
- IL-3050-10
- IL-3050-100

**WEBBING CLOTHES MOTH (Tineola bisselliella)**

**Casemaking Clothes Moth (Tinea pellionella)**

**Black Carpet Beetle (Attagenus spp.)**

**Varied Carpet Beetle (Anthrenus verbasci)**
Replacement Pheromone Lures

**INDIANMEAL MOTH / MEDITERRANEAN FLOUR MOTH / ALMOND MOTH**

![Indianmeal Moth (Plodia interpunctella)](image)
![Mediterranean Flour Moth (Ephestia kuehniella)](image)

**Bullet Lure**
*Attracts: Indianmeal moth, Mediterranean flour moth*
- IL-103-10
- IL-103-100

![Almond Moth (Ephestia cautella)](image)

**Bullet Lure**
*Attracts: Almond moth*
- IL-173-10
- IL-173-100

**Tobacco Moth**

**PTL Multi-Species**
*Attracts: Indianmeal moth, warehouse beetle and cigarette beetle*
- IL-408-10
- IL-408-100

![Bullet Lure](image)
- IL-183-10
- IL-183-100

**Cigarette Beetle**

**PTL Multi-Species**
*Attracts: Indianmeal moth, warehouse beetle and cigarette beetle*
- IL-408-10
- IL-408-100

![Serrico Lure](image)
- IL-501-10
- IL-501-100

**Red & Confused Flour Beetle**

**Bullet Lure**
- IL-303-10
- IL-303-100

![PantryPatrol™](image)
- IL-1705-10
- IL-1705-100

**Warehouse / Khapra Beetle**

**PTL Multi-Species**
*Attracts: Indianmeal moth, warehouse beetle and cigarette beetle*
- IL-408-10
- IL-408-100

![Bullet Lure](image)
- IL-203-10
- IL-203-100
### Replacement Pheromone Lures

#### ANGOUMOIS GRAIN MOTH

- **Bullet Lure**
  - IL-752-10
  - IL-752-100

#### RICE WEEVIL

- **Stored Product Beetle Lure**
  - IL-1805-10
  - IL-1805-100

#### CARPET BEETLES

- **AA Lure**
  - Attracts: Black carpet beetle, Varied carpet beetle
  - IL-234-10
  - IL-234-100

- **Bullet Lure**
  - Attracts: Varied carpet beetle
  - IL-113-10
  - IL-113-100

- **Bullet Lure**
  - Attracts: Varied carpet beetle
  - IL-134-10
  - IL-134-100

#### LESSER & LARGER GRAIN BORERS

- **Bullet Lure**
  - Larger Grain Borer
  - IL-953-10
  - IL-953-100

- **Bullet Lure**
  - Lesser Grain Borer
  - IL-903-10
  - IL-903-100

- **Larger Grain Borer**
  - (Prostephanus truncatus)

#### SAW-TOOTHED / MERCHANT GRAIN BEETLE

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

- **Merchant Grain Beetle**
  - (Oryzaephilus mercator)

- **Stored Product Beetle Lure**
  - IL-1805-10
  - IL-1805-100
WEBBING CLOTHES MOTH

Bullet Lure
IL-123-10
IL-123-100

(Tinea pellionella)

CASEMAKING CLOTHES MOTH

Bullet Lure
IL-223-10
IL-223-100

(Tinea pellionella)

MITES (Tyrophagus, Acarus)

Blue Mini Mite Monitors
IL-2405-25  25/set

Small Black Mite Monitors
IL-2410-10  10/set

Large Black Mite Monitors
IL-2420-10  10/set

Mite Bait Tray
IL-2432-1  32 squares/tray

HIDE BEETLE

Lure
IL-1003-10
IL-1003-100

(Dermestes maculatus)

INDIANMEAL MOTH SUPPRESSION

Indianmeal Moth
(Plodia interpunctella)

IL-105-10
IL-105-100

GREENWAY FRUIT FLY TRAPS

Fruit Fly
(Drosophila)

IL-1520-12
IL-1520-120
Replacement Traps and Accessories

**NoSurvivor™**
Diamond Trap
- IL-1100-10: 10/pack
- IL-1100-100: 100/pack

**Moth Suppression™**
Diamond Trap
- IL-1150-10: 10/pack
- IL-1150-100: 100/pack

**Warehouse Trap**
Plastic. Includes two gridded sticky liners/trap
- IL-1200-10: 10/pack
- IL-1200-100: 100/pack

**Serrico™**
Traps only
- IL-511-10: 10/pack
- IL-511-100: 100/pack

**Replacement Sticky Liners**
For Warehouse Trap
- IL-1250-10: 10/pack
- IL-1250-100: 100/pack

**Sanitrap™**
Traps only
- IL-525-10: 10/pack
- IL-525-100: 100/pack

**All Beetle Traps**
Includes 10 clear covers, bases and trays only
- IL-2600-10: 10/pack
- IL-2600-100: 100/pack

**Flat Traps**
- IL-550-10: 10/pack
- IL-550-100: 100/pack

**Flat Traps**
- IL-550-10: 10/pack
- IL-550-100: 100/pack

**All Beetle Trap Trays**
- IL-1820-10: 10/pack
- IL-1820-100: 100/pack

**All Beetle Trap Glue Boards**
- IL-1810-50: 50/pack
- IL-1810-500: 500/pack

**PantryPatrol™**
Traps only
- IL-1750-10: 10/pack
- IL-1750-100: 100/pack

**Trapper™ Sticky Insect Monitors**
- IL-1600-100: 100/pack
Professional Services

INSECT BIOASSAYS:
Insects Limited, Inc. can provide you with test insects for determining the efficacy of your treatments. Small vials are filled with various stored product insects that can be shipped next day to your location. We raise over fifteen species of stored product insects.

Fumigation Bioassay
10 vials of 10 insects each.
IL-3000-10 Adults
IL-3001-10 Larvae
IL-3002-10 Pupae
IL-3003-10 Eggs
Insect Bioassays available for Indianmeal moth, Red flour beetle, Confused flour beetle, Saw-toothed grain beetle, Cigarette beetle, Warehouse beetle, Rice weevil.

Fume & Fog Bioassay
10 vials of 10 insects each.
IL-3020-10 Adult Flour Beetles only

LABORATORY SERVICES:
Insect identification including an expedited phone call and a copy of information describing general information about this insect will be forwarded. Please write what the specimen was feeding on and the environmental conditions where it was found, place in a vial or crush proof container.

Insect ID: IL-5000 Includes phone call, and file information for the future. Additional services include: package penetration studies, phosphine resistance testing, and choice tests. Call to inquire about your needs.

EXPERIENCE:
Insects Limited’s trained Board Certified Entomologists (BCE) have over 100 years of experience and training with pest management and stored product pest problem solving. We have domestic and international experience with major brand named companies that grow, harvest, process, and distribute food products. We have traveled to over 60 countries to help solve stored product insect problems. Our services range from in-house pest identification and advanced training, to in-field inspections, audits, expert legal assistance, museum pest management set up and evaluation.

1981–present: Insects Limited manufacturers pheromone traps, program evaluation, product development, custom pheromone synthesis, contracted new product field evaluation, educational training, mite detection programs, and consultation.

ENTOMOLOGICAL LITIGATION:
Over the last 25 years our entomologists have been called upon to offer expert litigation opinion involving insect problems. As Board Certified Entomologists, we are qualified and trained to help provide inspection, opinion, and testimony. Our library has references to help review past history.

EDUCATIONAL PROGRAMS:
We strive to be an education and training leader in our industry. Every year Insects Limited, Inc. sponsors continued education programs for our customers. Since 1982, we have trained over 10,000 people throughout the world on the latest information and techniques for stored product protection. In 1998 we built a new training facility in our office that allows us to bring customers on-site for personalized training. Contact us for the next conference and workshop.

IN-HOUSE RESEARCH & DEVELOPMENT:
Our laboratory and professional staff can help you with your contracted R & D needs. Our new 20,000 ft² on-site chamber is ideal for testing new methods and alternatives. It acts as a temperature controlled free flight chamber for new pheromone testing.

PUBLIC SPEAKING:
If you have a program where you need a speaker, contact Insects Limited. We have qualified and seasoned speakers to cover a wide range of topics.

PROFESSIONAL CONSULTATION:
Insects Limited, Inc. provides professional consultation. This ranges from traveling around the world setting up special projects for the United Nations to inspecting a warehouse for insects at your facilities. Our job is to help you solve insect problems.

Professional Services

Conditions of Sale

MINIMUM ORDER: A $50.00 minimum order is required on all orders. There will be a $10.00 processing fee for all orders that are less than $50.00.

TERMS: Net 30 days on approved accounts. A service charge of 1.5% per month will be assessed on accounts over 30 days. Shipments will be sent COD on all other accounts. Shipments will not be made to accounts with a past due balance.

We accept Visa, MasterCard and American Express.

WORLDWIDE DELIVERIES AVAILABLE: Orders from outside the USA should be prepaid by credit card, direct wire transfer or prepaid check drawn on U.S. Bank only.

FREIGHT POLICY: Freight is FOB Westfield, Indiana USA unless otherwise specified.

QUOTATIONS: We will quote on larger quantities of an individual item than is listed in this publication. We will also quote on products not listed in our catalog.
“The Dirty Dozen”

Indianmeal Moth  
(*Plodia interpunctella*)

Mediterranean Flour Moth  
(*Ephestia kuehniella*)

Cigarette Beetle  
(*Lasioderma serricorne*)

Drugstore Beetle  
(*Stegobium paniceum*)

Red Flour Beetle  
(*Tribolium castaneum*)

Confused Flour Beetle  
(*Tribolium confusum*)

Saw-toothed Grain Beetle  
(*Oryzaephilus surinamensis*)

Merchant Grain Beetle  
(*Oryzaephilus mercator*)

Granary Weevil  
(*Sitophilus granarius*)

Rice Weevil  
(*Sitophilus oryzae*)

Lesser Grain Borer  
(*Rhyzopertha dominica*)

Warehouse Beetle  
(*Trogoderma variabile*)