

INSECTS LIMITED, INC

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Insect Pheromones ¹

Species	Common names	Pheromone type	Wks.	Spacing	Trap Types	Location
<i>Lasioderma serricorne</i>	Cigarette beetle	female sex	12	5 – 15 m	NS, AB, PP, LL	Floor, Shelf, Eye Level
<i>Stegobium panaceum</i>	Drugstore beetle	female sex	8	5 – 10 m	AB, NS, LL , HR	Floor, Shelf, Eye Level Floor, Shelf, Eye Level
<i>Rhyzopertha dominica</i>	Lesser grain borer	male aggregation	12	5 – 15 m	NS, AB, Cone	Shelf, Eye Level, Grain
<i>Prostephanus truncatus</i>	Larger grain borer	male aggregation	12	5 – 15 m	NS, AB, Cone	Shelf, Eye Level, Grain
<i>Sitophilus oryzae</i>	Rice weevil	male aggregation	8	2 – 5 m	AB, PP, Cone,	Shelf, Floor, Grain
<i>Sitophilus zeamais</i>	Maize weevil	male aggregation	8	2 – 5 m	AB, PP, Cone	Shelf, Floor, Grain
<i>Sitophilus granaries</i>	Granary weevil	food attractant	8	2 – 5 m	AB, Cone	Shelf, Floor, Grain
<i>Trogoderma variabile</i>	Warehouse beetle	female sex	12	5 – 15 m	NS, AB, PP, LL	Floor, Shelf, Eye Level
<i>Trogoderma granarium</i>	Khapra beetle	female sex	12	5 – 15 m	NS, AB, PP, LL	Floor, Shelf, Eye Level
<i>Anthrenus verbasci</i>	Varied carpet beetle	female sex	8	2 – 7 m	AB, NS, LL	Floor, Shelf
<i>Attagenens spp.</i>	Black carpet beetles	female sex	8	2 – 7 m	AB, NS, LL	Floor, Shelf
<i>Sitotroga cerealella</i>	Angoumois grain moth	female sex	12	5 – 15 m	NS, LL	Floor, Shelf, Eye Level
<i>Plodia interpunctella</i>	Indianmeal moth	female sex	12	5 – 15 m	NS, PP, LL	Floor, Shelf, Eye Level
<i>Ephestia kuehniella</i>	Mediterranean flour moth	female sex	12	5 – 15 m	NS, PP, LL	Floor, Shelf, Eye Level
<i>Cadra figulilella</i>	Raisin moth	female sex	12	5 – 15 m	NS, PP, LL	Floor, Shelf, Eye Level
<i>Ephestia elutella</i>	Tobacco moth	female sex	12	5 – 15 m	NS, PP, LL	Floor, Shelf, Eye Level
<i>Ephestia cautella</i>	Almond moth	female sex	12	5 – 15 m	NS, PP, LL	Floor, Shelf, Eye Level
<i>Tribolium castaneum</i>	Red flour beetle	male aggregation	12	2 – 5 m	AB, PP, LL	Floor, Shelf
<i>Tribolium confusum</i>	Confused flour beetle	male aggregation	12	2 – 5 m	AB, PP, LL	Floor, Shelf
<i>Tineola bisselliella</i>	Webbing Clothes moth	female sex	12	2 – 5 m	NS, LL	Floor, Shelf
<i>Tinea pellionella</i>	Casemaking Clothes moth	female sex	12	2 – 5 m	NS, LL	Floor, Shelf
<i>Oryzaephilus surinamensis</i>	Sawtoothed Grain beetle	food attractant	12	2 – 7 m	AB, PP	Floor, Shelf
<i>Oryzaephilus mercator</i>	Merchant Grain beetle	food attractant	12	2 – 7 m	AB, PP	Floor, Shelf

Pheromones within a box indicate that a single lure contains the same pheromone for multiple species.

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Trap Types: NS – NoSurvivor Indoor and Outdoor, AB - All Beetle, PP – Pantry Patrol, Cone – PC Cone Trap
LL – Low Lying Trap (Could include Flat Traps, Sanitrap, Serrico Traps, Trapper Monitor Traps etc.) HR - HIRESIS

Pantry Patrol contains a food grade oil which attracts numerous food pest beetles for a period of 3 months or more depending on temperatures present, as well as containing the pheromones for cigarette beetle, warehouse beetle, flour beetles, and the Pyralid moth complex. This product combines a food attractant to extend the attractiveness of the trap beyond the life of the pheromone.

Shelf Life: The “weeks” shown in the above table represent the amount of time each lure remains effective in the trap after it has been removed from its original package. If unopened, and kept frozen, the lures should remain fully effective for a period of 1year. 6 months if kept at room temperature.

Please Note: The information contained in this sheet is based on typical temperature, humidity and wind conditions. Environments with extreme heat, low humidity and high winds will effect pheromone and trap performance and longevity in a negative manner.