

A NEW MULTIPLE STORED-PRODUCT INSECT PHEROMONE PITFALL TRAP

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Abstract - The Pantry Patrol™ is a new trapping system for use by professional pest managers and for introduction into the domestic market. Sex pheromones for *Plodia interpunctella*, *Ephestia kuehniella*, *E. cautella*, *Lasioderma serricornis*, *Trogoderma variabile*, and *T. granarium* and aggregation pheromones for the *Tribolium castaneum* and *T. confusum* are incorporated into natural food attractant oils. The pitfall trap is a plastic corner design and oil is placed into the pit with 5-ml plastic dispensers. The box packaging can be fitted as optional protecting covers. Over 20 stored product species have been captured in field traps, including:

<i>Tribolium castaneum</i>	<i>Lasioderma serricornis</i>	<i>Oryzaephilus surinamensis</i>
<i>Tribolium confusum</i>	<i>Stegobium paniceum</i>	<i>Oryzaephilus mercator</i>
<i>Cryptolestes pusillus</i>	<i>Trogoderma variabile</i>	<i>Plodia interpunctella</i>
<i>Palorus ratzburgii</i>	<i>Sitophilus oryzae</i>	<i>Ephestia kuehniella</i>
<i>Palorus subdepressus</i>	<i>Sitophilus granarius</i>	<i>Ephestia cautella</i>
<i>Ryzopertha dominica</i>	<i>Ahasverus advena</i>	<i>Pyralis farinalis</i> (l)
<i>Cyanaeus angustus</i>	<i>Typhaea stercorea</i>	<i>Lathridius minutus</i>
<i>Ptinus</i> sp.	<i>Dermestes lardarius</i>	<i>Tenebroides mauritanicus</i> (l)

Using a single Pantry Patrol™ trap to monitor several stored product insect species will result in reduced cost in materials and reduced labor in maintaining a pest surveillance program.