



Packaging susceptibility

i2LResearch offers laboratory testing to assess the susceptibility of packaging to attack and penetration of pest insects, such as stored product beetles, moths, ants, booklice and bed bugs. Species include:

- *Tribolium*, *Oryzaephilus*, *Sitophilus*, *Lasioderma* and *Stegobium*
- *Plodia* and *Ephestia*
- *Monomorium pharaonis* and *Liposcelis*
- *Cimex lectularius*

Other species also available



We have special penetration containers which hold the packaging with the insects for assessment within environmental chambers, from a few days to several weeks if necessary, for a full lifecycle evaluation



We can also test mattress encasements/pillow covers and zips for susceptibility to penetration by bed bugs, including bite through capabilities.

Design development

i2LResearch offers assistance in the development of packaging designs by monitoring how or where the insects penetrate the package, and testing multiple entry points.



We can assess the level of damage to the packaging, the number of insects that have entered and the ability of the insects to breed in the material within, including any formation of insect webbing/presence of larvae.

Types of packaging assessed

i2LResearch can assess a large range of packaging including:

- Cereal cardboard boxes
- Aluminium foil chocolate bars
- Baby powder tins
- Dry dog food plastic bags
- Animal feed sacks
- Bran pellet foil bags
- Pillowcases and suitcases



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i2LResearch is a multi-national Contract Research Organisation offering efficacy testing, ecotoxicology and regulatory support for Europe, USA and worldwide:

- Agrochemicals, biopesticides
- Biocides, animal health
- Household and professional products
- Attractants, repellents
- Pest control devices