

This document is intended as a guide to the FedEx packaging requirements for Live Insect shipments. For more information about the approval process to ship Live Insects, please contact your FedEx Sales Executive.

Outer Container

- A rigid outer container made of **corrugated fiberboard**, solid fiberboard, rigid plastic, wood or additional packaging types required by IATA for compliance.
 - FedEx Boxes may be used but **must not** be altered in any way. If ventilation holes are required, you must use an alternative box
- **All seams** of the outer packaging must be securely closed using a minimum of 2" wide paper or plastic packaging tape (3" recommended). The closure must **not** allow the container to be opened and re-sealed without cutting or removing the original closure. If staples are used, minimum size required is 1" wide crown staples.
- Corrugated fiberboard boxes must be made from a **minimum** of 32 ECT or 200# burst test board grade.
- All ventilation holes must be smaller than the product being shipped to prevent any from escaping. If ventilation holes are larger than the product, they must be covered by mesh or screen material. The screen or mesh size must be of sufficient size to prevent the insects from exiting through the screen. Screen must be secured to the inside of the container.
 - If the customer adds a second layer of containment between the primary containers and the inner wall of the outer container, then mesh is **not required** on the box.

Examples of Required Inner Packaging

- Two-piece deli style cup, screw top containers, or solid fiberboard tubes
 - Lids (not screw tops) **must** be secured to the body by either **taping, shrink film bands, or other secure methods** which prevent the lid from popping or twisting off.
 - If a single strip of tape is applied, it must span across the entire lid.
- Mesh, Cloth, or Muslin bags
 - The opening **must** be securely closed by either knotting, twisting and looping the bag while applying a rubber band, a commercial bag tie twisted by machine, or other secure closure methods which include crimps or sewing the bag together.
 - Drawstring bags **must** be securely closed using a similar method. Such bags cannot be sealed by pulling the drawstrings only.
- Void fill or cushioning materials should be applied to prevent internal movement. Common materials are **molded pulp inserts, corrugated sheets, and crumpled paper**

*Some insects require **specialty holders**, while other insects are required to be **free range** within the packaging. Check IATA Live Animal Regulations for more information on additional requirements. The items listed above cover most insect requirements.

Labeling/Outer Markings

- The words “Live Insects”, “Live Worms”, “Live Animals”, etc. must appear on a minimum of two (2) opposite sides of the outer container
 - Optional markings such as “Fragile”, “Keep from Extreme Temperatures”, or “Up” Arrows can be applied as well but are not required.
 - Note: FedEx does not have a special handling service, or a controlled temperature shipping environment, nor can we guarantee preferred package orientation. Please refer to the FedEx Service Guide for further information.
- The markings can be in the form of a label, direct printing on the outer container, or handwritten with a permanent ink marker
- Federal, state, or local regulations may require additional printing of the common name plus genus name of the insects

Optional Additional Packaging - Shipper's Discretion

- Expanded polystyrene (EPS) panels or molded coolers
- Heat or cold packs

Packaging approval is only valid for three (3) years.

NOTICE: This packaging brochure is provided to FedEx customers to help reduce loss or damage due to improper packaging. It is NOT intended to be a comprehensive guide for packing live insects. We make no warranties, expressed or implied, regarding this information. Proper packaging is the sole responsibility of the shipper. If items are not fully encased in an outside shipping container, an additional handling surcharge may apply. Refer to the current FedEx Service Guide for terms, conditions, and limitations applicable to FedEx delivery services.