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PestWest **EDGE**ducational Brief

By Dr. Stuart Mitchell



INNOVATION // QUALITY // POWER

Glue Board Math: **“These Per That”**

Do you want to throw money away? Then never throw away an insect light trap (ILT) glue board! It is a goldmine of information and will tell you a pestiferous story. To read the story, you need to understand the glue board math.

You need to use glue board math for insect light traps (ILTs). The American Institute of Baking (AIB) states; “The facility documents the types and quantities of insects found in the light traps, and uses the information to identify and eliminate the source of activity.”



PestWest's exclusive Gray grid matrix is essential for glue board math!

For more information please contact us today!



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"This can include, but is not limited to, identifying insect types (e.g., species, night-flying insects, stored product insects, etc.) and quantities captured (species count or relative numbers-i.e. high, medium, low) to evaluate the risks and determine appropriate control measures to be taken." -The AIB International Consolidated Standards for Inspection, Jan. 2013, 4.13.1.7, p.26

Standards must be qualifiable, quantifiable, and verifiable. Glue board math provides essential information for all of these. Glue board math edifies on the species of insect(s), potential source(s), population size(s), direction of movement(s), and location(s) of established infestation(s). Such information is best determined on a grid-type glue board. A grid area provides a measured value (density) for glue board math as a function of a "these per that."

- $\frac{\text{number of insects}^*}{\text{number of grids}} = \text{average insects/grid (these per that)}$
- $\frac{\text{number of insects}^*}{\text{number of 1.70 sq. in. grids}^{**}} = \text{average insects/1.70 sq. in. grid}^{**} \text{ (these per that)}$

*Insects distributed over entire glue board adhesive surface area.

**A PestWest Gray matrix glue board single grid has an area of 1.70 square inches or 10.98 square cm.

In addition to alphanumeric coordinates positions (alpha along the "x" axis-left to right and numeric along the "y" axis-up and down), there are 100 grids on PestWest's Gray grid matrix glue board. These features facilitate accurate insect positioning pursuant to trends analyses.

Gray grid matrix glue boards facilitate math inputs (these per that) to yield trends analyses (collecting information and attempting to spot patterns or trends). Trend analysis extracts an underlying pattern of behavior in a time series or chronology that would otherwise be partially or nearly completely hidden. Trend analysis can identify a recurring problem and focus investigation upon identifying corrective actions to eliminate the underlying cause.

Transferring information from a Trap-Line-Audit form (TLA) to a trending graph (TG) will provide an illustration of any activities that dictate further investigation to establish the source of infestation. Threshold limits (TL) can be implemented to trigger defined actions (especially pursuant to filth fly and stored product insect monitoring).

Glue boards should be changed according to manufacturer's recommendations. Excessively warm, moist, or dusty areas may require increased replacement frequency.

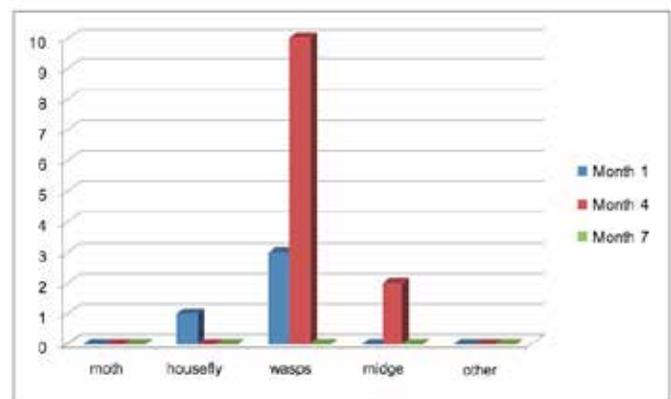
PestWest professional range glue boards are double-sealed (front and back) to resist moisture intrusion (high dew point environments such as kitchens). Over time, moisture intrusion avoidance assures against board warping.

High quality and performance glue is used on PestWest glue boards. If accidentally touched, glue remains on the board and not on your hands or clothing.

PestWest has conducted ample research to develop and produce high quality boards. With a premium card matrix and high quality glue, PestWest glue boards are resistant to moisture intrusion, mold, and UVA.

PestWest Universal glue boards fit numerous UVA systems. With rigorous design, engineering, field-testing, and an average life of 60+ days in all Mantis brands, glue boards are packaged in 6-packs vs. 12 packs (a lower investment pursuant to both inventory and labor costs).

Do the glue board math, arrest the pest(s), and keep the client. The numbers add up to recurring revenue for you!



Example of a trending graph.



PestWest's Trap Line Audit form.



PestWest's exclusive Gray grid matrix with alphanumeric coordinates.

For more information please contact us today!



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