



# PestWest **EDGE**ducational Brief



INNOVATION // QUALITY // POWER

## The Thinking Person's Light Trap (ILT)

By Dr. Stuart Mitchell

*Insect light trap (ILT) long-term deployment preservation and optimum performance are a function of quality maintenance service. Your service is your signature of quality!*



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To properly and consistently service the PestWest Mantis® 1x2 follow the SOP below.

## Mantis® 1x2 SERVICE SOP

- Put on disposable (non-latex) gloves.
- Be sure the Mantis® 1x2 is unplugged from the electrical wall supply.
- Remove the bottom catch tray to gain access to the glue board and lamps.
- Remove the glue board by holding it from the bottom (two hands) and pull down and out.
- Do not dispose of the glue board (examine and identify captured insects for appropriate IPM process-keep the glue board for appropriate archive).
- To access the lamps, open the guard by pushing it up and pulling it out (so it remains open).
- Remove the Quantum® lamps by twisting each 90° and gently pull out.
- If Reflectobakt® are on the lamps, remove and place on the new Quantum® lamps.
- Clean system with a waterless, non-abrasive degreasing cleaner.
- Put in (or replace) the two starters (if needed).
- Insert the new Quantum® lamps with the Reflectobakt® curved covers pointed toward the glue board.
- Attach the catch tray.
- Plug in ILT.
- Record the date on the ILT service schedule label.
- Dispose of spent Quantum® lamps using PestWest's exclusive Mad Hatter® lamp recycling program.



## PestWest UV-AMETER SERVICE SOP

- Per the table on the bottom of the UV-AMETER®, establish a distance from the ILT (the table indicates distance from the ILT based upon total wattage of the lamps).
- Press A or S button to turn the meter on.
- Turn the ILT off to measure the ambient or room light.
- Point the meter at the ILT and press the A button.
- The green LED 10 will blink indicating the meter has stored the room light measurement.
- Turn on the ILT.
- Point the meter directly at the ILT lamps (distance per the table on the bottom of the meter) and press the S button once.
- The meter will measure the total UVA output of the ILT lamps and subtract the previous room light measurement.
- The result will be displayed on one of the ten LED bar indicators (the red LED 1 will blink at the same time to indicate the UV-AMETER has performed the calculation correctly).
- The result must be one of the green LED bar indicators for optimum UVA emission.
- Remove disposable gloves and place in appropriate trash receptacle.

**Your ILT deployment is now quality assurance ready for optimum fly capture. Know before you glow! If it's in the green, it can be seen!**



**Scan the QR code for more information on PestWest® lamps.**



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