

Nevada Department of Agriculture Plant Pest Survey 2008/2009



Gypsy Moth: This is a delta-style glue trap designed to catch the Asian and European Gypsy moth (*Lymantria dispar*). The trap uses a sex attractant pheromone which lures male moths to the trap and traps them in the glue panels on the inner part of the trap. The larvae of this moth is a tree defoliator which prefer hardwoods and shrubs of several hundred species.



Japanese Beetle: This is a catch-can style trap designed to catch the Japanese beetle (*Popillia japonica*). This trap uses both a sex attractant pheromone for males and also a general attractant pheromone for both sexes. The two tone color of this trap is also an attractant to the adult beetle. Adults will fly to the top part of the trap and fall through the funnel section where they are trapped in the bottom canister. The larvae of the beetle is a turf pest and the adults are known to feed on the leaves of some 300 hosts including many fruit trees and some crops.



Emerald Ash Borer: This is a glue panel trap designed to catch the Emerald ash borer beetle (EAB). The traps outer panels are coated with glue and strung up high into a tree's canopy. A lure designed to mimic the smell of a dying or stressed tree is attached to the inner part of the trap which brings the adult beetle to the trap catching them in the glue. The larvae of the beetle feeds on the phloem of the tree creating galleries which disrupts the trees nutrient delivery system, killing the tree. The total extent of hosts are not known but the beetle appears to be specific to trees in the genus *Fraxinus* (Ash).



Light Brown Apple Moth (LBAM): This is a delta-style glue trap with a removable bottom for easy servicing. This trap is designed to catch the Light brown apple moth (LBAM). The trap uses a sex attractant pheromone which lures male moths to the trap and traps them in the glue panels on the inner part of the trap. The larvae of this moth is known to feed on over 1000 host plants and trees including some 250 fruits and vegetables.

For more information about Nevada Department of Agriculture 2008/2009 plant pest surveys contact Jeff Knight, State Entomologist, 775.688.1182 x 245 or jknight@agri.state.nv.us