




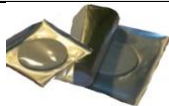


Technical Bulletin for: Medfly (Female)

Ceratitis capitata (Wiedemann) • Diptera: *Tephritidae* • CERCAP-FEM



DISTRIBUTION	Sub-Saharan Africa, South and Central America, the Middle East and southern Europe. Occasional infestations occur in the U.S. though are usually heavily monitored and reduced, therefore, it has not become established.
HOSTS	Wide host range of over 200+ species of fruit and vegetable
DESCRIPTION	
Adult Moth	About 3-5 mm in length, Creamy white thorax with black blotches and tinted brown abdomen. Wings are banded and darkly spotted.
Larvae	Cylindrical with a narrow anterior end and flattened tail. Between 7 and 9 mm during final instars.
Eggs	Curved, shiny white and smooth, about 1 mm in length
LIFE HISTORY	Female medflies oviposit in groups of roughly 10-14 eggs and deposit them just under the skin surface of their host fruit. Once the eggs are deposited below the skin, they hatch in only a few days, emerging as maggots, or larvae. Medflies can complete their life cycles in 21 days in optimum conditions. In cooler temperatures, the life cycle of the medfly can take up to 100 days to complete. In temperatures that are below 50 °F, development of the fly ceases. Oviposition in females ceases to occur in temperatures below 60 °F. The lifespan is quite short as half of most populations die in under 60 days. However, cool conditions and proper sustenance can enable some flies to live 6 months or up to a year. It has been shown that during mating, females experience a switch in olfactory-mediated behaviors. Specifically, virgin females prefer the pheromones of sexually developed males over the host fruit odor. Females exhibit this preference until mating occurs, following which they prefer the host fruit odor.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	3-Component lure		
TRAP TO USE	McPhail Trap (pictured with 3-component lure)		
MONITORING STRATEGY	Part 1. Cut off upper corner as per instructions on the lure (do not spill the lure contents) Part 2. Peel apart both aluminum layers. Do not cut or open plastic membrane inside. Use paper clip to attach lure Part 2 to upper edge of Part 1. Place lure standing up in the bottom of McPhail trap.		
CULTURAL & PHYSICAL CONTROL	Destroy infested branches, vegetables and/or fruit as necessary.		

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