

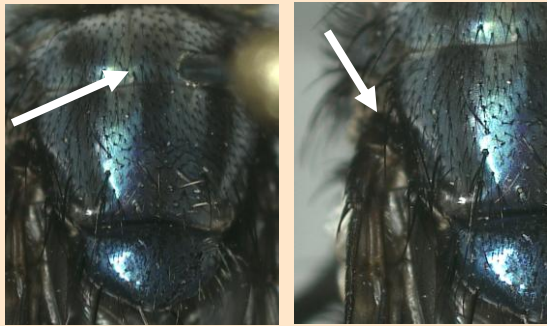


NEW WORLD SCREWWORM

Guide to NWS ID

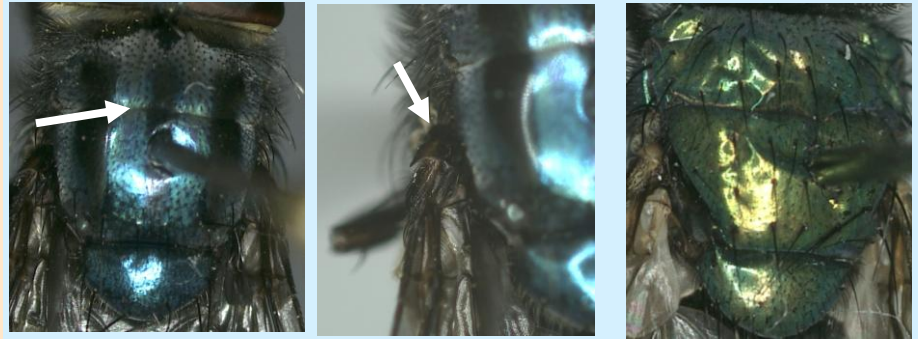


New World/Primary screwworm
Cochliomyia hominivorax



NWS adult flies have a short or incomplete middle stripe on the thorax (left arrow) and a dark basicosta (right arrow) – where the wings attach to the thorax.

Secondary screwworm
Cochliomyia macellaria



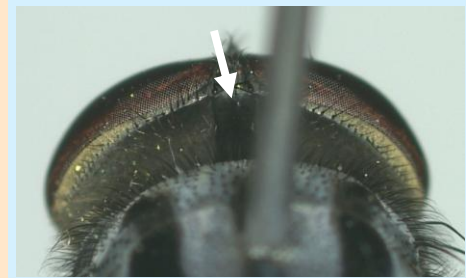
Secondary screwworm adults have three stripes on thorax; all are about the same length (left arrow) and a browner/lighter basicosta (right arrow) – where the wings attach to the thorax. Other blow fly species will have a shiny green, blue, or black thorax, but will lack the three stripes (right image).



NWS adult females (left) have eyes that do not meet at the top; male adult fly eyes nearly meet at the top of the head (right).



Behind the head, adult NWS have a reddish-brown spot between the eyes (arrow).



Behind the head, adult secondary screwworm flies have a black/dark spot between the eyes (arrow).



NWS maggots are cream colored with circular rows of spines along the body. They have distinct mouth hooks (left arrow). At the posterior end, there are dark visible trachea (left arrow) which is unique to NWS. Other fly maggots may have spines, but between the 9-10 segments NWS will have a complete circle of spines (middle arrow) which other species lack.