

Comparison of Banded Sunflower Moth (*Cochylis hospes*) to *Cochylis arthuri*

Banded Sunflower Moth (*Cochylis hospes* Walsingham):

The banded sunflower moth, *Cochylis hospes* Walsingham, is a small (1/4 inch long), straw yellow moth with a wingspan of about 1/2 inch. Its forewings have a triangular, dark brown band crossing through the middle of the wing (Figure 1). The peak of the triangle is oriented toward the leading margin of the wing. A smaller and less well-defined brown area is near the wing tips. Under magnification, patches of silvery scales can be seen within the dark brown areas. The hind wing is grayish black.



Figure 1. Banded sunflower moth (*Cochylis hospes* Walsingham)
(Photograph by G. Fauske, NDSU)

Cochylis arthuri Dang:

Cochylis arthuri Dang is a small (1/4 inch long), whitish-gray moth with a wingspan of about 1/2 inch. Its forewings are crossed by a broken brown and gray band and the outer 1/4 has brownish markings and dark fringe (Figure 2). The hind wing is white to gray in color.



Figure 2. *Cochylis arthuri* Dang
(Photograph by G. Fauske, NDSU)

Comparison of Identification Characteristics of *Cochylis hospes* and *C. arthuri*.

Character	<i>Cochylis hospes</i> Walsingham	<i>Cochylis arthuri</i> Dang
Forewing color	Pale straw yellow	White to light gray.
Forewing markings	Dark brown transverse fascia, broadest along inner margin, narrowing at costal margin and enclosing patches of silvery scales. A variable subapical brown spot can merge with the brown fascia. Outer ¼ of forewing straw yellow.	Wings crossed by a broken brown and gray transverse median band. Band with a few scattered black scales. Outer ¼ of forewing suffused with gray and with brownish markings.
Forewing fringe	Pale straw yellow	Alternating brown and black areas.
Hindwing color	Grayish black.	White to gray.
Body color	Straw yellow and brown	White to gray.

Source: J. Knodel & G. Fauske, Department of Entomology, NDSU