

Midwest Region, USA

Beginner's Guide to Moths of the Midwest - Tortricids

Angella Moorehouse & Illinois Nature Preserve Commission

Photos: Angella Moorehouse (angella.moorehouse@illinois.gov). Produced by: Angella Moorehouse with the assistance of Alicia Diaz, Field Museum. Identification assistance provided by: multiple sources (inaturalist.org; bugguide.net)

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About the BEGINNER'S MOTHS OF THE MIDWEST GUIDES

Most photos were taken in west-central and central Illinois; a few are from eastern Iowa and north-central Wisconsin. Nearly all were posted to identification websites: BugGuide.net and iNaturalist.org. Identification help was provided by Aaron Hunt, Steve Nanz, John and Jane Balaban, Chris Grinter, Frank Hitchell, Jason Dombroskie, William H. Taft, Jim Wiker, and Terry Harrison as well as others contributing to the websites. Attempts were made to obtain expert verifications for all photos to the field identification level, however, there will be errors. Please contact the author with all corrections. Additional assistance was provided by longtime Lepidoptera survey partner, Susan Hargrove.

The intention of these guides is to provide the means to compare photographs of living specimens of related moths from the Midwest to aid the citizen scientists with identification in the field for Bio Blitz, Moth-ers Day, and other night lighting events. A taxonomic list to all the species featured is provided at the end along with some field identification tips.

WEBSITES PROVIDING IDENTIFICATION INFORMATION

BugGuide.net
iNaturalist.org
Mothphotographersgroup.msstate.edu
Insectsofiowa.org
centralillinoisinsects.org/weblog/resources/

WHICH MOTH GUIDE TO USE

The moths were split into 6 groups for the purposes of creating smaller guides focusing on similar features of 1 or more superfamilies. The guides are split up thusly:

- 1) **Macromoths** – large showy moths generally ranging in size of 5-18cm; Superfamilies: Bombycoidea (royal, silkmoths, and sphinx moths), Cossoides (carpenterworm), Lasiocampoidea (lappet moths)



Antheraea polyphemus
Polyphemus moth



Prionoxystus robiniae
Carpenterworm moth



Darapsa myron
Virginia Creeper Sphinx

- 2) **Micromoths** – tiny moths with wingspans generally <2cm the exception being the clearwing borers (*Sesioidae*) which average between 1-3cm; Other Superfamilies: *Adeloidea* (fairy moths), *Choreutidae* (metalmarks), *Epermenioides* (fringe-tufted moths), *Gelechioidea* (curve-horned moths – has greatest number of species), *Gracillarioidea* (tube moths), *Micropterigoidea* (mandibulate archaic moths), *Schreckensteinioidae* (bristle-legged moths), *Tineoidea* (clothes, carpenter, and bagworm moths), *Yponomatoidea* (ermine moths)



Dichomeris inversella
Inverse Dichomeris



Caloptilia blandella
Walnut Caloptilia



Synanthedon acerni
Maple Callus Borer



Atteva aurea
Alianthus webworm

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WHICH MOTH GUIDE TO USE (Cont.)

- 3) **Geometer Moths (Geometroidea)** – medium sized with wingspan 3-5 cm, most have angular sharp-pointed wings held open like butterflies; most larvae are “inchworms”



Macaria multilineata
Many-lined Angle



Pleuroprucha insulsaria
Tan Wave



Haematopsis grataria
Chickweed Geometer

- 4) **Noctuids/Owlets (Noctuiodea)** – most species of any moth superfamily, medium sized with wingspan generally 2-5cm, triangular shape with stout bodies; most are nocturnal but includes some daytime pollinators: lichen, tiger, fungus, underwing, forage looper, litter, bird-dropping, dagger, wood nymph, groundling, dark owlet, earworm, flower, borer, cutworm, dart, quaker, wainscot, sawfly, looper, and prominent moths



Catocala nuptialis
Married Underwing



Acronicta vinnula
Delightful Dagger



Hypena abalienalis
White-lined Hypena

- 5) **Pyralids and Crambid Moths (Pyraloidea)** snout moths – large group of small moths with wingspan of 1- 4 cm, head bears long upturned labial palpi or snout; Guide also includes the Superfamilies: **Drepanoidea** (hooktip moths), **Pterophoroidea** (plume moths), **Thyridoidea** (thyris moths)



Herptogramma aeglaelis
Serpentine Webworm



Chrysoteuchia topiaria
Cranberry Girdler

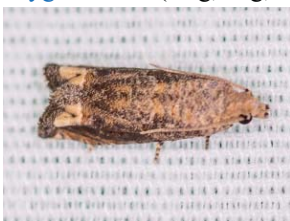


Geina sp.
Plume Moth



Dysodia ocellatana
Eyed Dysodia

- 6) **Tortricid Moths (Tortricoidae)** – tortrix and leafroller moths – large group of small moths (often grouped with micromoths) with wingspan 1-3 cm. Most are drab with mottled and marbled brown coloration. Some (Olethreutinae) have larvae which bore into plant stems, roots, buds, or seeds; Tortricinae larvae construct leaf rolls; Guide also includes the Superfamily: **Zygaenoidea** (slug, hag, skiff, skeletonizer moths)



Epiblema abruptana
Abrupt Epiblema



Choristoneura roseaceana
Oblique-banded Leafroller



Apoda y-inversum
Yellow-collared Slug Moth

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1 *Acylis burgessiana*
TORTRICIDAE
Oak Leafroller Moth



2 *Acylis metamelana*
TORTRICIDAE
Black-marked Acylis Moth



3 *Acylis muricana*
TORTRICIDAE
Red-headed Acylis Moth



4 *Hystrichophora vestaliana*
TORTRICIDAE
White Tortrix Moth



5 *Epiblema abruptana*
TORTRICIDAE
Abrupt Epiblema Moth



6 *Epiblema boxcana*
TORTRICIDAE
Epiblema Moth



7 *Epiblema carolinana*
TORTRICIDAE
Carolina Epiblema Moth



8 *Epiblema gibsoni*
TORTRICIDAE
Gibson's Epiblema Moth



9 *Epiblema grindeliana*
TORTRICIDAE
Epiblema Moth



10 *Epiblema obfusca*
TORTRICIDAE
Epiblema Moth



11 *Epiblema otiosana*
TORTRICIDAE
Bidens Borer Moth



12 *Epiblema scudderiana*
TORTRICIDAE
Goldenrod Gall Moth



13 *Epiblema strenuana*
TORTRICIDAE
Ragweed Borer Moth



14 *Epiblema* sp. 9
TORTRICIDAE
Epiblema Moth



15 *Eucosmini* cf. *Eucopina tocullionana*
TORTRICIDAE
White Pine Cone Borer



16 *Eucosma bilineana*
TORTRICIDAE
Large Striped Eucosma



17 *Eucosma giganteana*
TORTRICIDAE
Giant Eucosma Moth



18 *Eucosma glomerana*
TORTRICIDAE
Eucosma Moth



19 *Eucosma grindeliana*
TORTRICIDAE
Eucosma Moth



20 *Eucosma ornatula*
TORTRICIDAE
Eucosma Moth

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21 *Eucosma parmatana*
TORTRICIDAE
Aster Eucosma Moth



22 *Eucosma radiatana* group
TORTRICIDAE
Orange Eucosma Moth



23 *Eucosma raracana*
TORTRICIDAE
Reddish Eucosma Moth



24 *Eucosma ornatula*
TORTRICIDAE
Ornate Eucosma Moth



25 *Gypsonoma haimbachiana*
TORTRICIDAE
Gypsonoma Moth



26 *Gypsonoma salicicolana*
TORTRICIDAE
Small Gypsonoma Moth



27 *Pelochrista derelicta*
TORTRICIDAE
Derelict Pelochrista Moth



28 *Pelochrista dorsisignatana*
TORTRICIDAE
Triangle-backed Pelochrista



29 *Pelochrista robinsonana*
TORTRICIDAE
Robinson's Pelochrista



30 *Pelochrista vagana*
TORTRICIDAE
Pelochrista Moth



31 *Pelochrista* sp. 5
TORTRICIDAE
Pelochrista Moth



32 *Proteoteras* cf. *aesculana*
TORTRICIDAE
Maple Twig Borer Moth



33 *Proteoteras moffatiana*
TORTRICIDAE
Gray-flanked Proteoteras



34 *Proteoteras naracana*
TORTRICIDAE
Proteoteras Moth



35 *Pseudexentera sepia*
TORTRICIDAE
Pseudexentera Moth



36 *Sonia* sp.
TORTRICIDAE
Sonia Moth



37 *Cydia caryana*
TORTRICIDAE
Hickory Shuckworm Moth



38 *Cydia latiferreana*
TORTRICIDAE
Filbertworm Moth



39 *Cydia pomonella*
TORTRICIDAE
Codling Moth



40 *Dichrorampha leopardana*
TORTRICIDAE
Leopard Dichrorampha

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41 *Ecdyolophia insiticiana*
TORTRICIDAE
Locust Twig Borer Moth



42 *Eumaroza malachitana*
TORTRICIDAE
Sculptured Moth



43 *Grapholita interstinctana*
TORTRICIDAE
Cloverhead Caterpillar Moth



44 *Grapholita packardi*
TORTRICIDAE
Cherry Fruitworm Moth



45 *Gymnandrosoma punctidiscanum*
TORTRICIDAE
Dotted Gymnandrosoma



46 *Grapholitini cf. pammene felicitana*
TORTRICIDAE
Olethreutine Leafroller



47 *Bactra* sp. 1
TORTRICIDAE
Bactra Tortrix Moth



48 *Celypha cespitana*
TORTRICIDAE
Celypha Moth



49 *Olethreutini cf. endothenia herbesana*
TORTRICIDAE
Verbena Bud Moth



50 *Hedyia cyanana*
TORTRICIDAE
The Rose Leaf-tyer



51 *Olethreutes concinnana*
TORTRICIDAE
Olethreutes Moth



52 *Olethreutes connectum*
TORTRICIDAE
Bunchberry Leafroller



53 *Olethreutes fasciantana*
TORTRICIDAE
Banded Olethreutes Moth



54 *Olethreutes* sp. 3
TORTRICIDAE
Olethreutes Moth



55 *Olethreutes* sp. 4
TORTRICIDAE
Olethreutes Moth



56 *Olethreutini cf. Paralobesia* sp.
TORTRICIDAE
Olethreutes Moth



57 *Archips argyrosbila*
TORTRICIDAE
Fruit Tree Leafroller Moth



58 *Archips grisea*
TORTRICIDAE
Gray Archips Moth



59 *Archips purpurana*
TORTRICIDAE
Omnivorous Leafroller



60 *Archips semifera*
TORTRICIDAE
Oak Leafroller Moth

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61 *Argyrotaenia juglandana*
 TORTRICIDAE
 Hickory Leafroller Moth



62 *Argyrotaenia quercifolia*
 TORTRICIDAE
 Argyrotaenia Oak Leafroller



63 *Argyrotaenia velutinana*
 TORTRICIDAE
 Red-banded Leafroller



64 *Choristoneura fractivittana*
 TORTRICIDAE
 Broken-banded Leafroller



65 *Choristoneura parallela*
 TORTRICIDAE
 Spotted Fireworm Moth



66 *Choristoneura roseaceana*
 TORTRICIDAE
 Oblique-banded Leafroller



67 *Clepsis clemensiana*
 TORTRICIDAE
 Clemen's Clepsis



68 *Clepsis cf. melaleucana*
 TORTRICIDAE
 Black-patched Clepsis



69 *Clepsis peritana*
 TORTRICIDAE
 Garden Tortrix Moth



70 *Pandemis lamprosa*
 TORTRICIDAE
 Woodgrain Leafroller



71 *Pandemis limitata*
 TORTRICIDAE
 Three-lined Leafroller



72 *Xenothemna pallorana*
 TORTRICIDAE
 Pallid Leafroller



73 *Aethes* sp. 1
 TORTRICIDAE
 Aethes Moth



74 *Aethes* sp. 2
 TORTRICIDAE
 Aethes Moth



75 *Atroposia oenotherana*
 TORTRICIDAE
 Primrose Cochyliid Moth



76 *Cochylichroa hoffmanana*
 TORTRICIDAE
 Hoffman's Cochyliid Moth



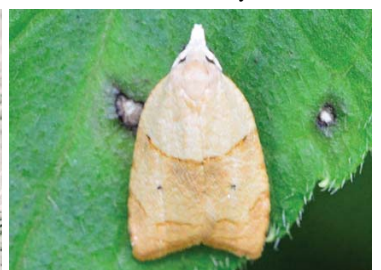
77 *Cochylichroa* sp. 2
 TORTRICIDAE
 Cochlid Moth



78 *Phalonidia* sp.
 TORTRICIDAE
 Rose-headed Tortrix



79 *Rudenia leguminana*
 TORTRICIDAE
 Black-tipped Rudenia



80 *Coelostathma discopunctana*
 TORTRICIDAE
 The Batman Moth

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81 *Cenopis diluticostana*
TORTRICIDAE
Spring Dead Leafroller



82 *Cenopis niveana*
TORTRICIDAE
Aproned Cenopis



83 *Cenopis pettitana*
TORTRICIDAE
Maple-basswood Leafroller



84 *Platynota exasperatana*
TORTRICIDAE
Exasperating Platynota



85 *Platynota flavedana*
TORTRICIDAE
Black-shaded Platynota



86 *Platynota idaeusalis*
TORTRICIDAE
Tufted Apple Budworm



87 *Sparganothis sulfureana*
TORTRICIDAE
Sparganothis Fruitworm



88 *Acleris flavivittana*
TORTRICIDAE
Masked Leafroller Moth



89 *Acleris semipurpurana*
TORTRICIDAE
Oak Leaf-tier Moth



90 *Acleris* sp. 3
TORTRICIDAE
Leaf-tier Moth



91 *Phobetron pithecium*
LIMACODIDAE
Hag Moth



92 *Prolimacodes badia*
LIMACODIDAE
Skiff Moth



93 *Apoda y-inversum*
LIMACODIDAE
Yellow-collared Slug Moth



94 *Tortricidia testacea*
LIMACODIDAE
Early button Slug Moth



95 *Harrisina americana*
ZYGAENIDAE
Grapeleaf Skeletonizer



96 *Pyromorpha dimidiata*
ZYGAENIDAE
Orange-patched Smoky Moth


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TAXONOMIC LIST OF MOTHS INCLUDED IN FIELD GUIDE

This list attempts to depict the organization of the photos by taxonomic grouping. While all moths in the photos have assigned superfamilies and families not all of those are classified to subfamily, tribe or subtribe. Where these classifications are available, they were used to organize the photos. Taxonomic classification was obtained from i-Naturalist and BugGuide.

SUPERFAMILY: Tortricoidea

FAMILY: Tortricidae

SUBFAMILY: Olethreutinae

TRIBE: Enarmoniini

- 1 *Ancylis burgessiana* Oak Leafroller: dark chocolate medial spot with white sides and rusty-orange posterior
- 2 *Ancylis metamelana* Black-marked Ancylis: very similar to *A. burgessiana*
- 3 *Ancylis muricana* Red-headed Ancylis: reddish-orange head with gray medially follow by white and brown posterior markings
- 4 *Hystriochophora vestaliana* White Tortrix Moth: all white with dark flecks on posterior end

TRIBE: Eucosmini *Epiblema*, *Eucosma*, and *Pelochrista* have a large number of species with variable coloration; Many of the *Epiblema* have a white central spot with brown or gray coloration;

- 5 *Epiblema abruptana* Abrupt Epiblema: overall warm brown with cream-peach wedge-shaped marks on the tips of the forewing; similar to *E. strenuana* but paler brown
- 6 *Epiblema boxcana* Epiblema Moth: reddish brown with whitish patches medially and towards the posterior end of the forewings
- 7 *Epiblema carolinana* Gray-blotched Epiblema: gray to grayish-brown with central pale mark speckled with light brown
- 8 *Epiblema gibsoni* Epiblema Moth: grayish-brown with distinct white medial slash across back
- 9 *Epiblema glenni* Glenn's Epiblema: gray to grayish-brown with larger medial band across middle of body
- 10 *Epiblema obfusca* Epiblema Moth: flecked grayish anterior blending to a pale whitish towards the middle and posterior end
- 11 *Epiblema otiosana* Bidens Borer Moth: dark grayish-brown with a white notched medial mark on the center of the back
- 12 *Epiblema scudderiana* Goldenrod Gall Moth: dark blackish-gray head, white middle, and pale gray posterior
- 13 *Epiblema strenuana* Ragweed Borer Moth: overall warm brown with cream-peach wedge-shaped marks on the tips of the forewing; similar to *E. abruptana* but richer brown color
- 14 *Epiblema* sp. 9 Epiblema Moth
- 15 *Eucopina tocullionana* White Pinecone Borer: mottled horizontal bands of rust, peach, and white coloration
- 16 *Eucosma bilineana* Large Striped Eucosma: beige coloration with dark brown vertical streaks along the outer edges of the forewings
- 17 *Eucosma giganteana* Giant Eucosma: large, white with gray flecking on anterior and extending along sides; dark gray to brown central posterior; similar in appearance to bird-dropping moths (Owlet – genus *Ponometia*)
- 18 *Eucosma glomerana* Eucosma Moth: orange to pale brown coloration with thin silver-gray bands and markings at posterior end of forewing
- 19 *Eucosma grindeliana* Eucosma Moth: pale buffy yellow-tan coloration with darker head; leading edges of forewing white with dark brown diagonal striping
- 20 *Eucosma ornatula* Eucosma Moth: overall creamy white with mottled dark brown spots on thorax and down center of back
- 21 *Eucosma parmatana* Aster Eucosma: dark grayish-brown with large white medial spot and white at the posterior end of the forewings
- 22 *Eucosma radiatana* group Orange Eucosma: beige with vertical streaking of deep burnt orange; posterior end often dark rusty-brown
- 23 *Eucosma raracana* Reddish Eucosma: white head and posterior end with dark reddish to gray central coloration
- 24 *Eucosma tomonana* Aster-headed Eucosma: pale gray with two medial spots of dark chocolate brown
- 25 *Gypsonoma haimbachiana* Cottonwood Twig Borer: overall pale gray to white to brownish with darker anterior and pale posterior
- 26 *Gypsonoma salicicolana* Small Gypsonoma: warm orangish to brown often with darker rusty anterior and paler markings on posterior
- 27 *Pelochrista derelicta* Derelict Pelochrista: overall rusty brown coloration with darker diffuse mottled horizontal bands across forewings
- 28 *Pelochrista dorsisignatana* Triangle-backed Pelochrista: light brown to gray coloration with medium brown central spot and triangular patches on each side posteriorly
- 29 *Pelochrista robinsonana* Robinson's Pelochrista: horizontally banded with evenly sized white and medium brown
- 30 *Pelochrista vagana* Pelochrista Moth: rather indistinct orangish-brown coloration
- 31 *Pelochrista* sp. 5 Pelochrista Moth
- 32 *Proteoteras aesculana* Maple Twig Borer: mottled gray and olive with bumpy tufts along back ridge
- 33 *Proteoteras moffatiana* Gray-flanked Proteoteras: grayish-olive to green coloration with black spotting
- 34 *Proteoteras naracana* Proteoteras Moth: rusty olive coloration with white on sides and posterior
- 35 *Pseudexentera sepia* Pseudexentera Moth: pale brownish-gray often with dark brown central band followed by speckled white or pale band
- 36 *Sonia* sp. Sonia Moth: generally rusty brown overall coloration with pale medial band and posterior; difficult to identify to species without dissection


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TAXONOMIC LIST OF TORTRICIDS MOTHS INCLUDED IN FIELD GUIDE (Cont.)

TRIBE: Grapholitini

- 37 *Cydia caryana* Hickory Shuckworm: dark rosy to black-brown somewhat metallic coloration; may have paler yellowish-brown head
- 38 *Cydia latiferreana* Filbertworm Moth: peach-orange color with horizontal bands of metallic gold across the forewings
- 39 *Cydia pomonella* Codling Moth: finely mottled grayish-brown; posterior end dark metallic copper coloration
- 40 *Dichrorampha leopardana* Leopard Dichrorampha: bright orange with horizontal wavy bands of black-brown and dark gray
- 41 *Ecdytolopa insitiana* Locust Twig Borer
- 42 *Eumarozia malachitana* Sculptered Moth
- 43 *Grapholita interstinctana* Clover Head Caterpillar Moth
- 44 *Grapholita packardi* Cherry Fruitworm Moth
- 45 *Gymnandrosoma punctidiscanum* Dotted Gymnandrosoma
- 46 *Pammene felicitana* Olethreutine Leafroller: white on head extending down center of back; dark gray to black posterior and sides of forewings

TRIBE: Olethreutini

- 47 *Bactra* sp. Bactra Tortrix Moth: mainly tan in coloration, narrow-winged, resemble crambids at rest
- 48 *Celypha cespitana* Celypha Moth: warm brown with mottled wide horizontal bands across mid-section and posterior end
- 49 *Endothenia herbesana* Verbena Bud Moth: difficult to identify without dissection; mottled brown with black and blue
- 50 *Hedya cyanana* The Rose Leaf-tyer: difficult to identify without dissection; similar to *Aterpia approximana* but has darker blue and black coloration, less brown overall
- 51 *Olethreutes concinnana* Olethreutes Moth: gray to black with curved spots throughout, often pale posterior
- 52 *Olethreutes connectum* Bunchberry Leafroller: olive-gray with dark brown diagonal shoulder streaks
- 53 *Olethreutes fasciatana* Banded Olethreutes: dark to medium brown with white horizontal band across center and posterior
- 54 *Olethreutes* sp. 3 Olethreutes Moth
- 55 *Olethreutes* sp. 4 Olethreutes Moth
- 56 *Paralobesia* sp. Olethreutine Moth: difficult to identify without dissection; overall orange to rust colored with wide gray bands across center

SUBFAMILY: Torticinae

TRIBE: Archipini

- 57 *Archips argyrospila* Fruit-tree Leafroller: rusty brown with pale orangish head and two lateral side spots
- 58 *Archips grisea* Gray Archips: gray with dark brown diagonal dash marks on shoulders, outside and terminal end of forewings
- 59 *Archips purpurana* Omnivorous Leafroller: orange-gray to purplish-gray coloration with darker net-like veins and wavy bands across forewings
- 60 *Archips semiferana* Archips Oak Leafroller: rusty orange coloration with cream colored head, thorax, center terminal mark and across posterior end of forewings
- 61 *Argyrotaenia juglandana* Hickory Leafroller: dark rusty coloration with buffy cream-colored flecking and central spot behind thorax, dark reddish brown v-shaped horizontal stripes
- 62 *Argyrotaenia quercifolia* Oak Leafroller: pale cream coloration with orange lacy pattern and two horizontal orange v-shaped stripes across forewing
- 63 *Argyrotaenia velutinana* Red-banded Leafroller: orange coloration with pale cream colored posterior of forewings and darker brown medial markings
- 64 *Choristoneura fractivittana* Broken-banded Leafroller: light orangish-brown with broken horizontal bands of diffuse darker brown across forewings
- 65 *Choristoneura parallela* Spotted Fireworm Moth: orange-tan coloration with horizontal v-shaped darker bands across forewings
- 66 *Choristoneura rosaceana* Oblique-banded Leafroller: rosy tan coloration with horizontal v-shaped darker bands across forewings
- 67 *Clepsis clemensiana* Clemen's Clepsis: pale yellow-beige to peach coloration with minimal vertical streaking
- 68 *Clepsis melaleucana* Black-patched Clepsis: pale cream colored with black or dark chocolate central spot extending forward to the head
- 69 *Clepsis peritana* Garden Tortrix: peach-tan coloration with dark rusty v-shaped stripe across center of forewings and dark spots on outer tips of forewings
- 70 *Pandemis lamprosana* Woodgrain Leafroller: orange-tan coloration with light and dark wide v-shaped bands across forewings
- 71 *Pandemis limitata* Three-Lined Leafroller: tan to pale rosy-beige with light and dark v-shaped bands separated by 3 white horizontal lines
- 72 *Xenotemna pallorana* Pallid Leafroller: pale buffy yellow coloration throughout

Midwest Region, USA

Beginner's Guide to Moths of the Midwest - Tortricids

10

Angella Moorehouse & Illinois Nature Preserve Commission

Photos: Angella Moorehouse (angella.moorehouse@illinois.gov). Produced by: Angella Moorehouse with the assistance of Alicia Diaz, Field Museum. Identification assistance provided by: multiple sources (inaturalist.org; bugguide.net)



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TAXONOMIC LIST OF TORTRICIDS MOTHS INCLUDED IN FIELD GUIDE (Cont.)

TRIBE: Cochylini

- 73 *Aethes* sp. 1 Aethes Moth: *Aethes* are typically pale cream to yellow colored with fuzzy head and snout and darker yellow or rusty central spot and diagonal markings across forewings
- 74 *Aethes* sp. 2 Aethes Moth
- 75 *Atroposia oenotherana* Primrose Cochyliid: tiny with lemon yellow in front and deep pink posterior
- 76 *Cochylichroa hoffmanana* Hoffman's cochyliid: cream to rusty orange coloration with dark brown to black markings and snout which points downward
- 77 *Cochylichroa* sp. 2 Tortrix Leafroller
- 78 *Phalonidia* sp. Rose-headed Tortrix: dark pink head and thorax with mottled cream and gray wings; some species cream colored with gray markings
- 79 *Rudenia leguminana* Black-tipped Rudenia: cream to rosy-white coloration with dark gray mottling, generally with darker head and posterior wing edges

TRIBE: Sparganothini

- 80 *Coelostathma discopunctana* The Batman Moth: pale buffy peach coloration with fine wavy horizontal stripes and twin dots on center of forewings
- 81 *Cenopis diluticostana* Spring Dead Leafroller: rosy-orange to rust coloration with gray-rust horizontal bands across forewings
- 82 *Cenopis niveana* Aproned Cenopis: lemon yellow coloration with rosy-rust markings often as sideways v-shapes pointing open along leading edge of forewing
- 83 *Cenopis pettitana* Maple-basswood Leafroller: pale lemon yellow to whitish coloration with few markings of rust or orange on forewings
- 84 *Platynota exasperatana* Exasperating Platynota: distinct triangular shape with visible snout, beige to light gray on head and thorax; mottled dark brown to black forewings often with pale beige to light gray on posterior
- 85 *Platynota flavedana* Black-shaded Platynota: orange head, rusty middle, with posterior wing tips either orange or pale warm tan
- 86 *Platynota idaeusalis* Tufted Apple Budworm: variable coloration, generally pale gray with various mottling of brown or rusty brown often forming a v-shape across the central forewings
- 87 *Sparganothis sulfureana* Sparganothoides Fruitworm: often bright lemon yellow with distinct rufous-colored x across and web-like patterned rust across rest of forewing

TRIBE: Tortricini

- 88 *Acleris flavivittana* Masked Leafroller: generally dark chocolate brown with pale yellow-beige color from head and thorax extending along center of back to tip of forewings
- 89 *Acleris semipurpurana* Oak Leaf-tier: lemon yellow to pale yellow with pale orange, rust, or brown medial markings across forewings
- 90 *Acleris* sp. 3 Acleris Leaf-tier

SUPERFAMILY: Zygaenoidea

FAMILY: Limacodidae

- 91 *Phobetron pithecium* Hag Moth: large bodied, warm brown coloration with cream colored tufts on the second set of legs
- 92 *Prolimacodes badia* Skiff Moth: pale warm brown with rusty to medium brown marks along leading edge of forewings forming a distinct to a semicircular pattern

SUBFAMILY: Limacondinae

- 93 *Apoda y-inversum* Yellow-collared Slug Moth: peach to pale orange coloration with 2-3 diagonal horizontal slash lines across forewings; often holds end of abdomen turned upward
- 94 *Tortricidia testacea* Early Button Slug Moth: peach colored with darker orange vertical streaking on posterior end of forewings; often holds end of abdomen turned upward

FAMILY: Zygaenidae

SUBFAMILY: Procridinae

- 95 *Harrisina americana* Grapeleaf Skeletonizer: black with bright red collar, long black antennae, generally holds wings open away from body revealing skinny body with tufted tip; frequent flower visitor
- 96 *Pyromorpha dimidiata* Orange-patched Smoky Moth: black with bright orange on shoulders extending halfway down outer portion of forewings