

Key to species of Nearctic *Lycorina* (Hymenoptera: Ichneumonidae: Lycorinae)

by David B. Wahl

[adapted from Cushman (1920) and Gauld (1997)]

1. Apex of fore wing more or less hyaline (Fig. 1). Mesoscutum varying from black to reddish-brown, sometimes with two white lateral longitudinal stripes (Figs. 2-4). Meso- and metapleura often with reddish-brown to orange areas (Figs. 5-6).
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- 1'. Apex of fore wing with distinct infumate dark spot (Fig. 7). Mesoscutum usually yellow with one median and two lateral longitudinal black stripes (Figs. 8-9) (note: stripes can be expanded in northern specimens so that yellow is confined to two lateral longitudinal stripes (Fig. 10). Meso- and metapleura with various combinations of yellow and black (Fig. 11-12).
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2. Hind leg with tibia with alternating bands of white and black; basal 0.4 of basitarsus white, remainder of tarsus fuscous (Fig. 13). Mesoscutum with at least posterior 0.5 brownish-red (Figs. 14-15). Central triangle of T1-4 each often marked with white (Fig. 16).
..... ***Lycorina scitula*** (Cresson)
- 2'. Hind leg with tibia with basal 0.2 white, median 0.4 orange to brownish-red, and sub-basal and apical dark brown/fuscous bands; tarsus uniformly darkish, ranging from dark brown/fuscous to light brown (Fig. 17). Mesoscutum without brownish-red (Fig. 18-19). Central triangle of T1-4 black or occasionally marked with brownish-red (Figs. 20-21).
..... ***Lycorina albomarginata*** (Cresson)
3. Central black portion of T1 sparsely punctate to more or less impunctate; propodeum usually more or less entirely yellow above articulation with metasoma (Fig. 22). Fore wing 4.0-4.8 mm long. Ovipositor 1.5-1.9x as long as hind tibia. Pronotum entirely yellow (Fig. 23).
..... ***Lycorina apicalis*** Cresson [note: not yet collected in USA]
- 3'. Central black portion of T1 coarsely and quite closely punctate; propodeum with black area above articulation with metasoma (Fig. 24). Fore wing 5.4-7.3 mm long (most in 6.4-7.3 mm range). Ovipositor 1.6-2.1x as long as hind tibia. Pronotum yellow with black markings (sometimes nearly completely black, especially in northern specimens) (Figs. 25-27).
..... ***Lycorina glaucomata*** (Cushman)

Figures

The American Entomological Institute photograph voucher code for an individual specimen follows the species name. For example, '#0045-02' is the second photograph taken of voucher specimen 45. All specimens are in the American Entomological Institute collection unless otherwise noted.

- Fig. 01 - *Lycorina albomarginata* #0045-02
- Fig. 02 - *Lycorina scitula* #0043-01
- Fig. 03 - *Lycorina scitula* #0044-01
- Fig. 04 - *Lycorina albomarginata* #0045-01
- Fig. 05 - *Lycorina scitula* #0044-02
- Fig. 06 - *Lycorina albomarginata* #0048-01
- Fig. 07 - *Lycorina apicalis* #0049-01
- Fig. 08 - *Lycorina glaucomata* #0051-02
- Fig. 09 - *Lycorina apicalis* #0049-03
- Fig. 10 - *Lycorina glaucomata* #0052-01
- Fig. 11 - *Lycorina glaucomata* #0051-03
- Fig. 12 - *Lycorina glaucomata* #0052-02
- Fig. 13 - *Lycorina scitula* #0046-01
- Fig. 14 - *Lycorina scitula* #0043-01
- Fig. 15 - *Lycorina scitula* #0044-01
- Fig. 16 - *Lycorina scitula* #0043-03
- Fig. 17 - *Lycorina albomarginata* #0050-01
- Fig. 18 - *Lycorina albomarginata* #0045-01
- Fig. 19 - *Lycorina albomarginata* #0056-02
- Fig. 20 - *Lycorina albomarginata* #0048-02
- Fig. 21 - *Lycorina albomarginata* #0050-02
- Fig. 22 - *Lycorina apicalis* #0049-04
- Fig. 23 - *Lycorina apicalis* #0049-02
- Fig. 24 - *Lycorina glaucomata* #0053-01
- Fig. 25 - *Lycorina glaucomata* #0051-03
- Fig. 26 - *Lycorina glaucomata* #0053-02
- Fig. 27 - *Lycorina glaucomata* #0052-02

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