

Lytrosis Hulst of Louisiana

by
Vernon Antoine Brou Jr., 74320 Jack Loyd Road, Abita Springs, Louisiana 70420 email: vabrou@bellsouth.net

Rindge (1971) revised the geometrid moth genus *Lytrosis* Hulst which at that time contained two described species: *Lytrosis unitaria* Herrich-Schaffer and *Lytrosis permagnaria* (Packard). Rindge (1971) described two new species: *Lytrosis sinuosa* Rindge and *Lytrosis heitzmanorum* Rindge. Rindge listed the distribution of *unitaria* to be most all of the eastern half of the United States, though he had no records for many southeastern states.



Rindge listed the distribution of *sinuosa* to be New Jersey to Florida and west to Mississippi. Heppner (2003) listed *unitaria* and *sinuosa* as occurring in Florida. Knudson & Bordelon 1999 listed *unitaria*, *sinuosa* and *heitzmanorum* as occurring in Texas.

In Louisiana, three species of *Lytrosis* occur (Fig. 1). All three species appear to have a single annual brood occurring about the same of the year.

Fig. 1. *Lytrosis* species: a. *unitaria*. , b. *sinuosa* , c. *heitzmanorum* .

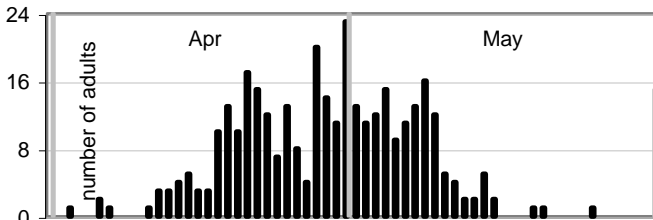


Fig. 2. *Lytrosis sinuosa* captured at sec.24T6SR12E, 4.2 mi.NE Abita Springs, Louisiana. n = 338

Covell (1984) pictures *unitaria* and lists only *sinuosa* in a discussion of similar species. Foodplants for three of the four *Lytrosis* species are unknown according to the literature referenced in this article. Only *unitaria* has foodplants listed as particular species of oak, maple and hawthorn.

At the Abita Springs study area, *sinuosa* occurs commonly; dates of capture are shown in Fig. 2. Eight Louisiana specimens of *unitaria* have been captured May 8-22 in four parishes. Twenty-one specimens of *heitzmanorum* have been captured May 5-23 in Natchitoches Parish.

The locality records for the three Louisiana species of *Lytrosis* are shown in Fig. 3.

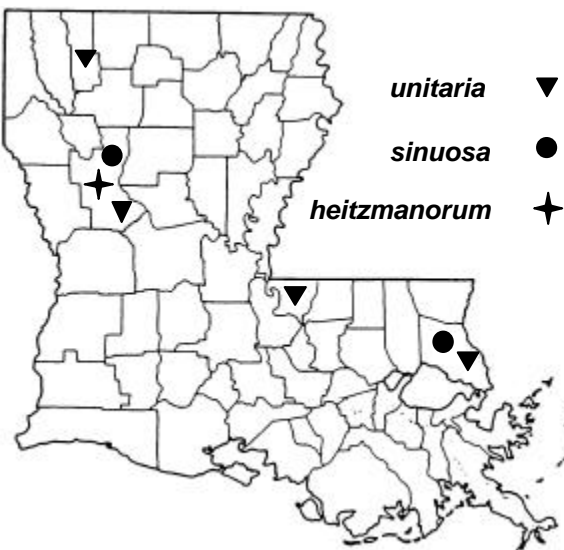


Fig. 3. Parish records for *Lytrosis* in Louisiana.

Literature cited

Heppner, J.B. 2003. Arthropods of Florida and neighboring land areas, vol. 17: Lepidoptera of Florida, Div. Plant Industry, Fla. Dept. Agr. and Consum. Serv., Gainesville. x + 670pp., 55 plates.

Knudson, E. and C. Bordelon 1999. Texas Lepidoptera Survey, Checklist of the Lepidoptera of Texas 2000 edit.

Rindge, F.H. 1971. A Revision of the Moth Genus *Lytrosis* (Lepidoptera, Geometridae), American Museum Novitates, Am. Mus. Nat. Hist. No. 2474, 21 pp.