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本邦産薊馬科の一新種に就きて

岡本半次郎

ON A NEW SPECIES OF PHLŒOTHRIPIDÆ OF JAPAN.

By

HANSIRO OKAMOTO, *Nōgakushi.*

The insect, which I propose to describe below, was first found crawling inside the corolla of a flower of *daizu* (*Glycine hispida* Maxim.) by my friend, Mr. Y. TAKAHASHI of the Hokkaidō Agricultural Experiment Station, while he was making crossing experiments with this crop. He found afterwards, that the insect is pretty common upon this as well as upon some other leguminous plants, such as *azuki* (*Adzukia subtrilobata* Tak.), *sasage* (*Vigna sinensis* Hattk.) etc., the pollen grains apparently being damaged by this insect. He collected both larval and adult forms of the insect and kindly placed these specimens at my disposal.

The insect in question belongs to the family Phlœothripidæ and seems to be new to the scientific world.

Its characteristic may be described as follows:

Liothrips glycinicola n. sp.

Body dark-brown and shiny. Head about 0.21 mm. long, longer than its breadth; genæ on its side nearly straight and parallel, without nipples. Eyes dark-red, not protruding, ocelli 3, well separated. Mouth conical, almost reaching the fore-edge of mesosternum. Antennæ distinctly longer than the head; color of first and second segments uniform dark-brown; 3rd to 6th light brownish yellow; 7th and 8th pale dark-brown; 3rd and 4th a little longer and broader than the others. Prothorax 0.18 mm. long. Wings hyaline, not reaching the tip of abdomen; fringe of hairs on the end of posterior margin crossed. Legs deep dark-brown; anterior-femoræ very large; femoræ as well as middle- and posterior-tibiæ dark-brown;

anterior-tibiæ and all tarsi yellow. Abdomen cylindrical, uniformly dark-brown; tubus 0.13 mm. about $\frac{1}{3}$ the breadth of 8th segment. Length of body $2\frac{1}{3}$ mm.

Described from 2 females, male not yet collected.

The present species resembles *Liothrips parva* Uzel., in many respects, but the latter differs in the color of antennæ and in the length of its body.

As far as, I am aware of Phlœothripidæ, *Phlœothrips oryzæ* Mats. which sucks the juice of rice plant, causing it to die off without setting fruits, is the only species of Phlœothripidæ known in Japan up to date.

In conclusion, I wish to express my thanks to Prof. S. Matsumura of the Tōhoku Imperial University for the free access to his library and collection, and also for his many valuable suggestions. My best thanks are also due to Mr. Y. TAKAHASHI for the specimens upon which the above description is based.

摘　要

今茲に記載せんと欲する昆蟲は、予が敬畏措く能はざる先輩、高橋良直氏が大豆の交配試驗中、其花冠の內部に個蔦せるを認められしを初めとし、其後該植物其他小豆、豇豆等の如き荳科植物の花冠內に、比較的普通に存在しありて、其花粉粒を傷害しつゝあることを發見せられたり。而して同氏は其幼蟲及び成蟲を採集し、之れを予に示さる。就て之を見るに、此昆蟲は管薊馬科に屬するものにして、學術界に未だ知られざる一種類たることを確めたり。今其性狀を記すれば次の如し。

Liothrips glycinicola n. sp.

まめくだあざみうま（新稱）

體軀暗褐色にして、光澤あり。頭長は其中よりも長く、0.21「ミリ」。頰には疣狀突起を缺き、兩側殆んど眞直にして平行せり。複

眼は突起することなく、暗赤色を呈し、單眼は三箇ありて廣く分離す。口部圓錐形にして中胸の殆んど前緣に及ぶ。觸角は頭長よりも長く、第一及び第二節は暗褐色にて第三節より第六節迄は淡黃褐色なり、而して第七及び第八節は淡き暗褐色を呈す。其第三及び第四節は他節に比して大形なり。前胸0.18「ミリ」。翅は透明にして其長さ腹部の末端に達せず。後緣端には相交錯せる叢毛あり。脚は濃暗褐色。前脚の腿節は甚だ大なり。全脚の腿部並ひに中後脚の脛節は暗褐色を呈するも前脚の脛節及び全脚の跗節は黃色なり。腹部は圓堆形にて暗褐色を帶ぶ。尾端に存在する小管(tubus)は0.13「ミリ」ありて其巾第八節の略三分の一なり。体長は二「ミリ」三分の一あり。

本種はLiothrips parva Uzel.に酷似せりと雖も、体長及び觸角の色を異にするを以て容易に分つことを得べし。

抑々本邦産已知管薊馬科の種類は稻の汁液を吸收し結實に至るに先て枯死せしむるPhlœothrips oryzæ Mats.(いねくだあざみうま)の一種あるに止まるのみ。而して本種は實に其第二種たり。

終りに臨み此小報を公にするに當り東北帝國大學農科大學教授理學博士松村松年氏の懇篤なる敎示並びに氏の圖書及び標本檢閲の自由を與へられたるを深謝すると共に本種を採集惠與せられし北海道農事試驗場技師高橋良直氏に對して厚く其好意を感謝す。