

2012. Isolation and characterization of anaerobic bacteria for symbiotic recycling of uric acid nitrogen in the gut of various termites. *Microbes and Environments*, 27(2): 186–192.
- Walter J, Britton RA, Roos S, 2011. Host-microbial symbiosis in the vertebrate gastrointestinal tract and the *Lactobacillus reuteri* paradigm. *Proceedings of the National Academy of Sciences*, 108 (Suppl. 1): 4645–4652.
- Wong CNA, Ng P, Douglas AE, 2011. Low-diversity bacterial community in the gut of the fruitfly *Drosophila melanogaster*. *Environmental Microbiology*, 13(7): 1889–1900.
- Woodbury N, Gries G, 2013. Firebrats, *Thermobia domestica*, aggregate in response to the microbes *Enterobacter cloacae* and *Mycotypha microspora*. *Entomologia Experimentalis et Applicata*, 147(2): 154–159.
- Woodbury N, Moore M, Gries G, 2013. Horizontal transmission of the microbial symbionts *Enterobacter cloacae* and *Mycotypha microspora* to their firebrat host. *Entomologia Experimentalis et Applicata*, 147(2): 160–166.
- Yun JH, Roh SW, Whon TW, Jung MJ, Kim MS, Park DS, Yoon C, Nam YD, Kim YJ, Choi JH, Kim JY, Shin NR, Kim SH, Lee WJ, Bae JW, 2014. Insect gut bacterial diversity determined by environmental habitat, diet, developmental stage, and phylogeny of host. *Applied and Environmental Microbiology*, 80(17): 5254–5264.

封面介绍

枸杞木虱 *Poratrioza sinica* Yang et Li 成虫

枸杞木虱隶属于半翅目 Hemiptera 木虱科 Psyllidae，是危害枸杞的重要害虫，以成虫、若虫刺吸叶片组织，吸食汁液导致致叶片枯黄、树势衰弱、果实发育不良、品质下降。枸杞木虱成虫体长3.6~4.0 mm，体黄褐至黑褐色，具橙黄色斑纹。额前具乳头状突1对，复眼赤褐色，触角的基节和末节黑色，其余黄色。前胸背板黄褐色至黑褐色。小盾片黄褐色。腹部背面褐色，近基部具1明显白色横带。翅透明。枸杞木虱以成虫在土缝、落叶及树皮缝内越冬。早春成虫出蛰后在枸杞枝叶上刺吸取食、交尾、产卵。每年发生3~4代，世代重叠严重。该虫在我国的宁夏、甘肃、内蒙古、新疆、陕西等省区均有分布，是许多地区枸杞的主要害虫。照片拍摄于宁夏回族自治区的中宁县。

(张润志 中国科学院动物研究所)