

キイカブリダニ

Gynaeseius liturivorus
(Ehara)

分類：ムチカブリダニ亜科、キイカブリダニ属
採集記録：岩手(5)、山形(1)、茨城(1)、埼玉(3)、千葉(147)、
静岡(39)、高知(27)

寄主植物：ネギ(147)、チャノキ(39)、米ナス(15)、シット
ウ(12)、ノブドウ(3)、ナシ(2)、リンゴ(2)、クズ(1)、
ニワトコ(1)、ミズキ(1)、モモ(1)

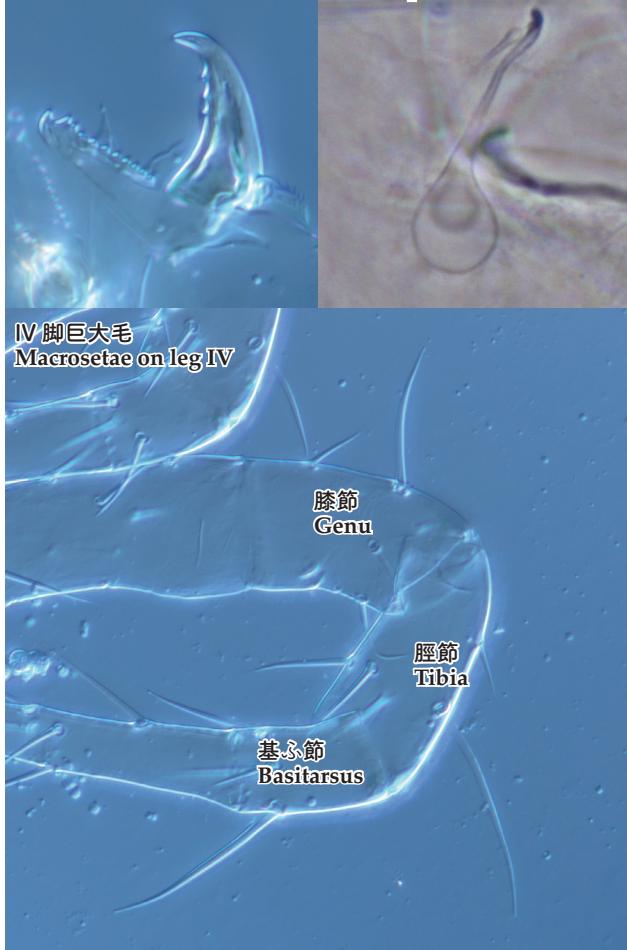
餌資源：チャノキイロアザミウマ、ミナミキイロアザミウマ、
ミカンキイロアザミウマ、スジコナマダラメイガ卵

形態の特徴：背板表面はなめらか。側列毛は4本(j3, z2, z4,
s4)で、胴背毛はムチカブリ亜科の基本パターン。胴背
毛は短い。周気管はやや短く、周気管板は背板とは癒合
しない。胸板と腹肛板の形状は不明瞭。肛門の前方に前
肛毛3対(JV1, JV2, ZV2)と小孔がある。第IV脚膝節
(34μm)、脛節(46μm)、基節(45μm)に巨大毛がある。
受精囊頸部は管状。



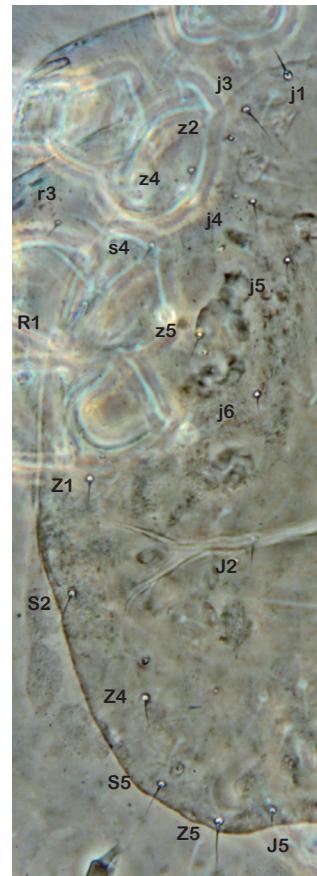
雌成虫鉗角 Chelicera (female)

受精囊 Spermatheca

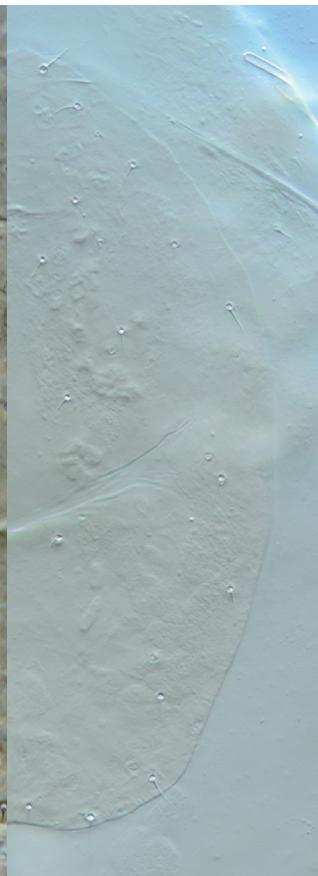


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背面(位相差画像)
Dorsum (Phase contrast)



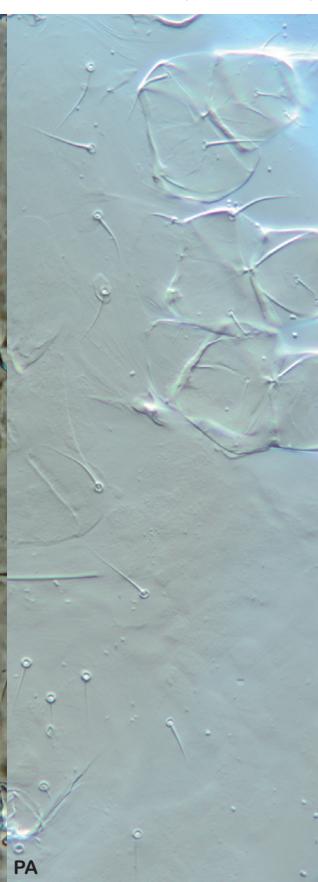
背面(微分干渉画像)
Dorsum (Differential)



腹面(位相差画像)
Ventrum (Phase contrast)



腹面(微分干渉画像)
Ventrum (Differential)



Gynaeseius liturivorus

Authority : Ehara (1982)

Family : Phytoseiidae

Subfamily : Amblyseiinae

Genus : *Gynaeseius*

JPN name : Kii-kaburidani

First collection : Kisigawa, Wakayama, 5-X-1980, on soy bean.

Setal code : 10A:9B (dorsum) / JV-3:ZV (ventrum)

Measurements (μm) : Dorsal length 380, Dorsal plate length 341.8, Dorsal width 290, Doral plate width 235.8, j1 15.2, j3 18.7, j4 13, j5 13.7, j6 14.7, J2 16.2, J5 6.5, z2 15.6, z4 16.3, z5 14.8, Z1 18.7, Z4 17.2, Z5 23.1, s4 20.4, S2 21.5, S4 18.4, S5 23.1, r3 15.2, R1 17.6, JV5 32.5, macroseta genu 33.7, tibia 45.9, basitarsus 45.3 (Ehara, 1982)

Similar sp. : *Gynaeseius ricini* (Ghai & Menon 1969), *Gynaeseius irregularis* (Evans 1953).

Distribution : Japan (Iwate, Yamagata, Ibaraki, Chiba, Shizuoka, Kochi), China, Taiwan

Plants : Spring onion, Tea tree, Eggplant, Small green pepper, Grape, Japanese pear, Apple, Kudzu bean, etc.

Food source : Thrips (*Scirtothrips dorsalis*, *Thrips palmi*, *Frankliniella occidentalis*), Pyralidae (*Ephestia kuhniella*)

References : Ehara S, (1982) Two new species of phytoseiid mites from Japan (Acarina: Phytoseiidae). Appl. Entmol. Zool. 17(1): 40-45. Komi Kazuhiro, Arakawa Ryo, Amano Hiroshi (2008) Predatory potential against *Thrips palmi* Karny of some native phytoseiid mites (Acari: Phytoseiidae) occurring on greenhouse vegetable crops in Kochi prefecture, Japan. The Journal of the Acarological Society of Japan. 17(1): 29-35. Mochizuki M (2009) Development, reproduction and prey consumption of the thrips predator *Gynaeseius liturivorus* (Ehara)(Acari: Phytoseiidae). Journal of the Acarological Society of Japan 18(2): 73-84. Oida H (2019) A simple method using a folded structure for small-scale rearing of a phytoseiid mite, *Gynaeseius liturivorus* (Acari: Phytoseiidae), on eggs of *Ephestia kuhniella* (Lepidoptera: Pyralidae). Applied Entomology and Zoology 54: 481-486.

