

ミヤコカブリダニ

Neoseiulus californicus

(McGregor)

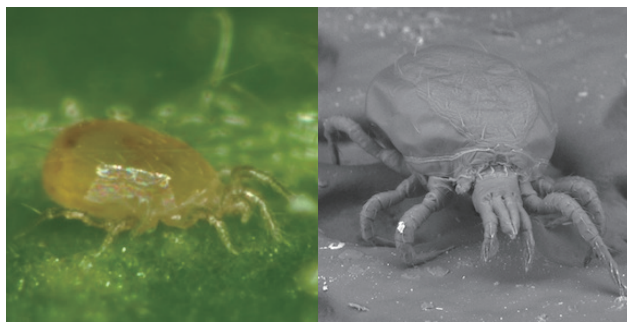
分類：ムチカブリダニ亜科，ウスカブリダニ属

採集記録：秋田 (63)，福島 (20)，茨城 (540)，埼玉 (673)，千葉 (1507)，東京 (2)，神奈川 (60)，長野 (562)，静岡 (13)，京都 (10)，兵庫 (4)，奈良 (35)，和歌山 (24)，鳥取 (3)，岡山 (24)，広島 (1)，愛媛 (2)，長崎 (599)，沖縄 (70)，欧州，北中南米

寄主植物：ナシ (2,756)，カンキツ (601)，リンゴ (417)，インゲン (96)，クズ (66)，イヌビユ (28)，モモ (24)，以下，少数：アカメガシワ，アジサイ，クサギ，チャ，クワ，ナス，イヌシデ，カキ，ネギ，イタリアンライグラス，イチゴ，オオイヌノフグリ，カタバミ，カナムグラ，カラスウリ，カラスノエンドウ，キク，キュウリ，クサイチゴ，コムリカズラ，ゼニバアオイ，トウガラシ，トウキ，トマト，ノダケ，ハキダメギク，ヒメオドリコソウ，ホナガイヌビユ，メヒシバ，ヤブガラシ

餌資源：ミカンハダニ，ミカンサビダニ，ナミハダニ，カンザウハダニ，チャノキ花粉，アカマツ花粉，イヌマキ花粉，スジコナマダラメイガ卵

形態の特徴：背板表面の網目模様は明瞭。側列毛は4本 (j3, z2, z4, s4) で，胸背毛はムチカブリダニ亜科の基本パターン。Z5はやや長い (63 μ m)。その他の胸背毛はほぼ同じ (12 μ m ~ 44 μ m)。周気管先端はj1の前方で直線的に対向する。腹肛板はホームベース型または五角形。腹肛板の前半部分に前肛毛3対 (JV1, JV2, ZV2) と小孔がある。第IV脚の基附節に巨大毛がある。受精囊頸部は杯状。



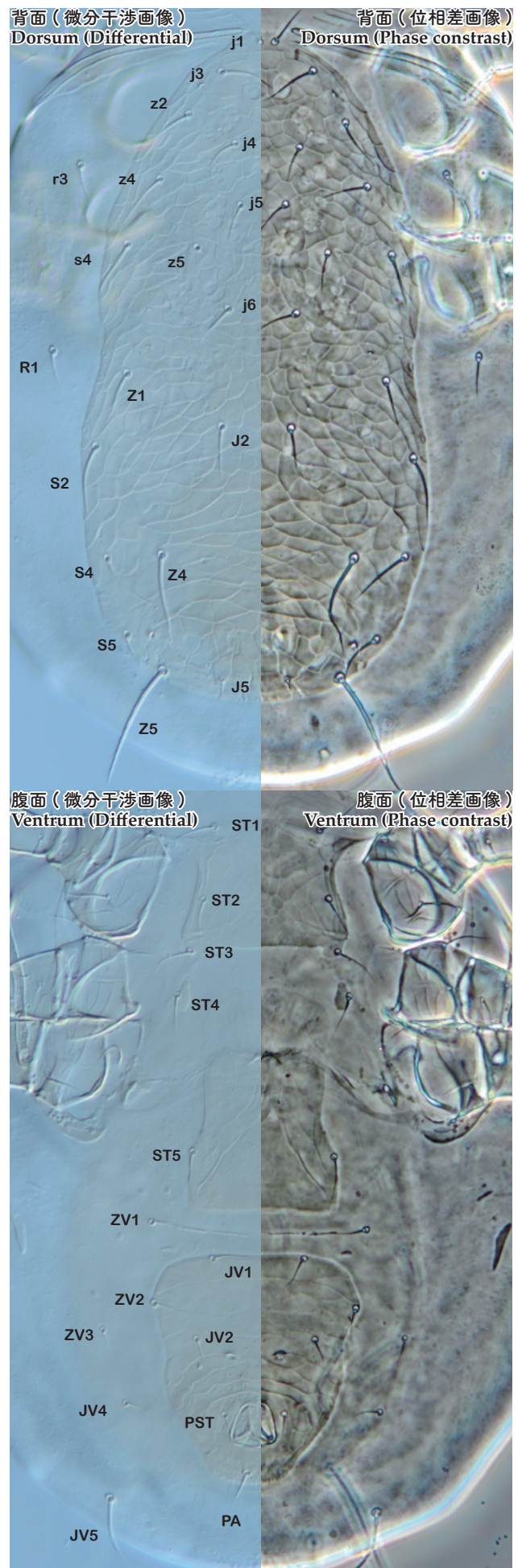
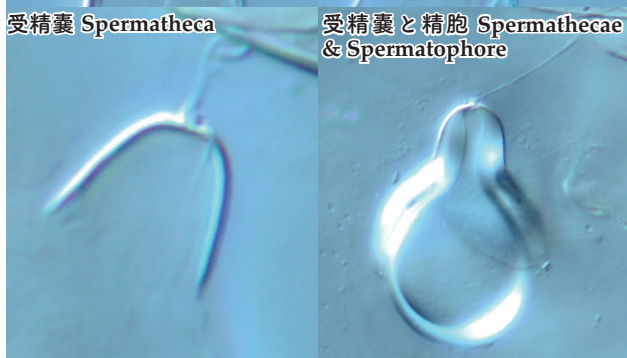
雌成虫鋏角 Chelicera (female)

雄成虫鋏角 Chelicera (male)



受精囊 Spermatheca

受精囊と精胞 Spermathecae & Spermatophore



Neoseiulus californicus

Authority : McGregor (1954)
Family : Phytoseiidae
Subfamily : Amblyseiinae
Tribe : Neoseiulini
Genus : *Neoseiulus*

JPN name : Miyako-kaburidani

First collection : Meguro, Tokyo, 28-VI-1963, on *Boehmeria nivea*. This specimen is initially reported as *Amblyseius chilensis* Dosse (Ehara, 1964).

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

Measurements (μm) : Dorsal plate length 367, Dorsal plate width 154, j1 22, j3 31, j4 22, j5 22, j6 27, J2 32, J5 12, z2 28, z4 29, z5 22, Z1 32, Z4 51, Z5 70, s4 35, S2 40, S4 37, S5 31, r3 25, R1 23, JV5 52, macroseta basitarsus 52 (Tixier et al, 2014)

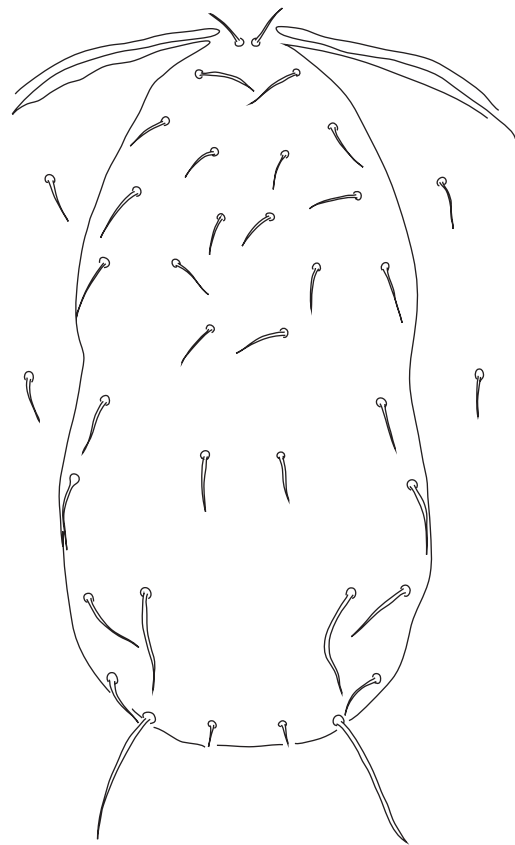
Similar sp. : *Neoseiulus idaeus* Denmark and Muma 1973, *Neoseiulus fallaxis* (Garman) 1948, [Synonym] *Neoseiulus chilensis* Dosse 1958, *Neoseiulus mungeri* (McGregor) 1954, *Neoseiulus weamei* (Schicha) 1987

Distribution : Japan (Akita, Fukushima, Ibaraki, Saitama, Chiba, Tokyo, Kanagawa, Nagano, Shizuoka, Kyoto, Hyogo, Nara, Wakayama, Tottori, Okayama, Hiroshima, Ehime, Nagasaki, Okinawa), Worldwide (30 countries/regions).

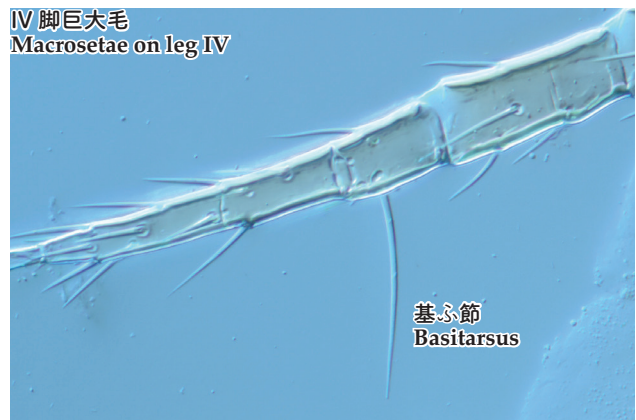
Plants : Japanese pear, Mandarin, Apple, Peach, Kidney bean, *Pueraria lobata*, *Amaranthus blitum*, many trees, crops and wild plants

Food source : Mites (*Tetranychus urticae*, *Tetranychus kanzawai*, *Tetranychus citri*, *Aculops pelekassi*), Pyralidae (*Ephestia kuehniella*), Pollens (*Camellia sinensis*, *Pinus densiflora*, *Podocarpus macrophyllus*)

References : Ehara S (1964) Some mites of the families Phytoseiidae and Blattisocidae from Japan (Acarina: Mesostigmata). Journal of the Faculty of Science Hokkaido University Series 6. Zoology 6(3): 378-394. Ehara S, Amano H (2004) Checklist and keys to Japanese Amblyseiinae (Acari: Gamasina: Phytoseiidae). J. Acarol. Soc. Jpn 13(1): 1-30. Kishimoto H, Teshiba M, Kondoh T, Miyazaki T, Sugiura N, Yamazaki R, Wakatsuki H, Motoyama H, Horie H (2007) Occurrence of *Neoseiulus californicus* (Acari: Phytoseiidae) on citrus in Kyushu district, Japan. J. Acarol. Soc. Jpn 16(2): 129-137. Tixier M-S, Otto J, Kreiter S, Santos VD, Beard J (2014) Is *Neoseiulus wearnei* the *Neoseiulus californicus* of Australia? Exp Appl Acarol 62: 267-277. Demite PR, McMurtry JA, Moraes GJ de (2014) Phytoseiidae Database: a website for taxonomic and distributional information on phytoseiid mites (Acari). Zootaxa 3795(5): 571-577. <http://www.lea.esalq.usp.br/phytoseiidae/> Katayama H, Masui S, Tsuchida M, Tataru A, Doi M, Kaneko S, Saito T (2006) Density suppression of the citrus red mite *Panonychus citri* (Acari: Tetranychidae) due to the occurrence of *Neoseiulus californicus* (McGregor) (Acari: Phytoseiidae) on Satsuma mandarin. Applied Entomology and Zoology 41: 679-684. Kishimoto H (2014) Development and



IV 脚巨大毛
Macrosetae on leg IV



基小節
Basitarsus

Oviposition of Six Native Phytoseiid Species (Acari: Phytoseiidae) Reared on Pink Citrus Rust Mite, *Aculops pelekassi* (Keifer) (Acari: Eriophyidae). J. Acarol. Soc. Jpn., 23(2): 71-77. Kishimoto H (2015) Development and Oviposition of Eight Native Phytoseiid Species (Acari: Phytoseiidae) Reared on Eggs of the Mediterranean Flour Moth, *Ephestia kuehniella* Zeller (Lepidoptera: Pyralidae). J. Acarol. Soc. Jpn., 24(2): 71-76. Kishimoto H, Ohira Y, Adachi I (2014) Effect of different plant pollens on the development and oviposition of seven native phytoseiid species (Acari: Phytoseiidae) in Japan. Applied Entomology and Zoology 49: 19-25.