

1. PaDIL Species Factsheet



Scientific Name:

Hemiberlesia rapax (Comstock, 1881)
(Hemiptera: Diaspididae)

Common Name

Greedy Scale

Live link: <http://www.padil.gov.au/maf-border/Pest/Main/141284>

Image Library

New Zealand Biosecurity

Live link: <http://www.padil.gov.au/maf-border/>

Partners for New Zealand Biosecurity image library



Manaaki Whenua
Landcare Research

Landcare Research — Manaaki Whenua

<http://www.landcareresearch.co.nz/>

Biosecurity New Zealand

Tiakitanga Pūtaiao Aotearoa

MPI (Ministry for Primary Industries)

<http://www.biosecurity.govt.nz/>

2. Species Information

2.1. Details

Specimen Contact: New Zealand Arthropod Collection - nzac@landcareresearch.co.nz

Author: Henderson, R. C. & Crosby, T. K.

Citation: Henderson, R. C. & Crosby, T. K. (2011) Greedy Scale (*Hemiberlesia rapax*) Updated on 4/9/2014

Available online: PaDIL - <http://www.padil.gov.au>

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2.2. URL

Live link: <http://www.padil.gov.au/maf-border/Pest/Main/141284>

2.3. Facets

Commodity Overview: Horticulture

Commodity Type: 1 Other, Banana, Cucurbitaceous produce, Fabaceous produce, Grapes, Kiwifruit, Rosaceous produce, Asparagus, Avocado & Cinnamon, Citrus produce

Groups: Bugs

Status: NZ - Exotic

Pest Status: 0 Unknown

Distribution: Afrotropic, Australasia, Indo-Malaya, Nearctic, Neotropic, Oceania, Palearctic

Host Family: Actinidiaceae, Anacardiaceae, Apocynaceae, Aquifoliaceae, Araliaceae, Arecaceae, Asteraceae, Begoniaceae, Bignoniaceae, Cactaceae, Caprifoliaceae, Caricaceae, Casuarinaceae, Celastraceae, Cistaceae, Crassulaceae, Cucurbitaceae, Ebenaceae, Elaeagnaceae, Ericaceae, Euphorbiaceae, Fabaceae, Fagaceae, Guttiferae, Juglandaceae, Lamiaceae, Lauraceae, Liliaceae, Magnoliaceae, Malvaceae, Melastomataceae, Meliaceae, Moraceae, Musaceae, Myrtaceae, Nyctaginaceae, Ochnaceae, Oleaceae, Onagraceae, Orchidaceae, Phytolaccaceae, Platanaceae, Poaceae, Proteaceae, Rhamnaceae, Rosaceae, Rubiaceae, Rutaceae, Salicaceae, Sapotaceae, Scrophulariaceae, Smilacaceae, Solanaceae, Sterculiaceae, Strelitziaceae, Theaceae, Verbenaceae, Viscaceae, Vitaceae, Winteraceae

2.4. Other Names

Aspidiotus acuminatus Targioni Tozzetti, 1881

Aspidiotus argentina (Leonardi, 1911) Sasscer, 1912

Aspidiotus camelliae (Signoret, 1869) Hempel, 1900

Aspidiotus evonymi Targioni Tozzetti, 1888

Aspidiotus flavescens Green, 1890

Aspidiotus lucumae Cockerell, 1899

Aspidiotus rapax Comstock, 1881

Aspidiotus rapax evonymi (Targioni Tozzetti, 1888) Cockerell, 1899

Aspidiotus tricolor Cockerell, 1897

Diaspis circulata Green, 1896

Hemiberlesia acuminatus (Targioni Tozzetti, 1881) Cockerell, 1905

Hemiberlesia argentina Leonardi, 1911

Hemiberlesia camelliae (Signoret, 1869) Leonardi, 1897

Hemiberlesia rapax (Comstock, 1881) Ferris, 1938

Hemiberlesia tricolor (Cockerell, 1897) Leonardi, 1900

Hemiberlesiana camelliae (Signoret, 1869) Thiem, Gerneck, 1934

Hendaspidiotus tricolor (Cockerell, 1897) MacGillivray, 1921

Rapacious Scale

2.5. Diagnostic Notes

****Source:** Henderson (2011) [See Web Links tab]**

****Live Appearance and Habitat****

Female scale cover subcircular, pale beige or tan with light brown exuvia usually subcentral, moderately convex. Body deep yellow with dark 'V' shape on posterior pygidium, eggs and crawlers yellow (usually produces eggs that hatch into crawlers under the scale cover). Usually on leaves or petioles, fruit, and sometimes on stems. Life-cycle in New Zealand is uniparental with 2 overlapping generations a year.

****Diagnosis****

Adult female with perivulvar pores present; with a slender dorsal duct between median lobes.

****Source:** [ScaleNet](<http://scalenet.info>)**

****Keys****

Miller & Davidson (2005). Evans, Watson & Miller 2009: 63-67 (female) [Diaspididae species found on avocado]; Gill 1997: 155 (female) [Species of California]; Kosztarab 1996: 509 (female) [Northeastern North America]; Danzig 1993: 169 (female) [Europe]; Zahradnik 1990b: 104 (female) [Czech Republic]; Williams & Watson 1988: 130 (female) [Tropical South Pacific]; Tereznikova 1986: 113 (female) [Ukraine]; Chou 1985: 300 (female) [Species of China]; McDaniel 1969: 107 (female) [U.S.A.: Texas]; Beardsley 1966: 520 (female) [Federated States of Micronesia]; Ezzat 1958: 241 (female) [Egypt]; Balachowsky 1956: 106 (female) [Africa]; McKenzie 1956: 26 (female) [U.S.A.: California]; Balachowsky 1953k: 114 (female) [World]; Lupo 1953a: 75-76 (female) [Italy]; Balachowsky 1948b: 299 (female) [Mediterranean]; Zimmerman 1948: 358 (female) [Hawaii]; Ferris 1942: 35 (female) [North America]; Archangelskaya 1937: 98-100 (female) [Central Asia]; Gomez-Menor Ortega 1937: 110 (female) [Spain]; Kuwana 1933: 3 (female) [Japan]; Kuwana 1933b: 48 (female) [Japan]; Fullaway 1932: 95-97, 107 (female) [Hawaii]; Balachowsky 1928a: 132 (female) [North Africa]; Hollinger 1923: 7-8 (female) [U.S.A.: Missouri]; Leonardi 1920: 90 (female) [Italy]; Lawson 1917: 217 (female) [U.S.A.: Kansas]; Robinson 1917: 29 (female) [Philippines]; Dietz & Morrison 1916a: 289-290 (female) [U.S.A.: Indiana]; Cockerell 1905: 45-46 (female) [Mexico]; Cockerell 1905b: 202 (female) [U.S.A.: Colorado]; Newstead 1901b: 81 (female) [England]; Newell 1899: 4-5, 25 (female) [North America]; Green 1896e: 40 (female) [Sri Lanka]; Comstock 1883: 55-57 (female) [North America].

2.6. References

- Henderson, R.C. (2011). Diaspididae (Insecta: Hemiptera: Coccoidea). *_Fauna of New Zealand 66_*, 275 pp. [See Web Links tab] - Miller, D.R. & Davidson, J.A. (2005). *_Armored scale insect pests of trees and shrubs_*. Cornell University Press, N.Y. 442 pp. - Watson, G.W. (2002). *_Arthropods of Economic Importance: Diaspididae of the World_*. World Biodiversity Database, CD-ROM. Expert Center for Taxonomic Identification (ETI), University of Amsterdam, The Netherlands.

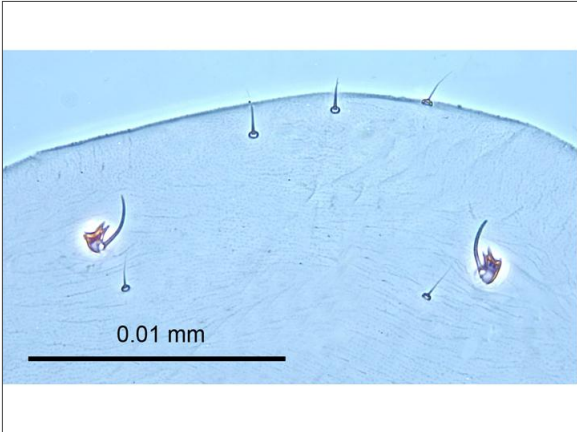
2.7. Web Links

Scale Net: <http://scalenet.info/validname/Hemiberlesia/rapax/>

Henderson (2011):

<http://www.landcareresearch.co.nz/research/biosystematics/invertebrates/faunaofnz/Extracts/FNZ66/FNZ66ind.asp>

3. Diagnostic Images



Slide mounted
Antenna - Female: Rosa Henderson
 Landcare Research



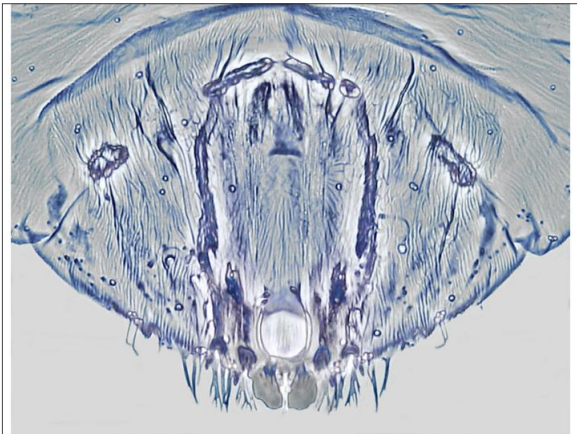
Slide mounted
Full body - Female: Rosa Henderson
 Landcare Research



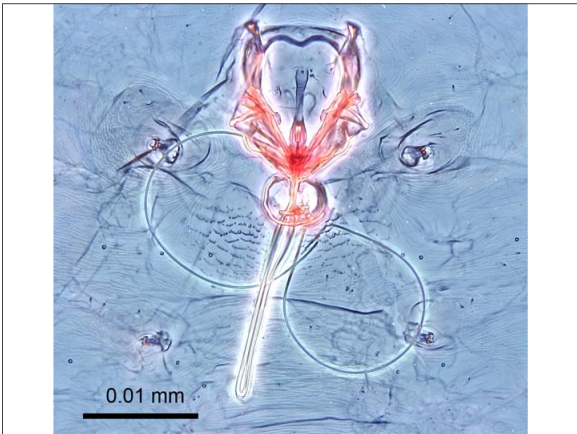
Adult females, one with crawlers, scale
 cover removed
Full body and eggs - Female In life: Rosa
 Henderson Landcare Research



Adult female, side view, on stem
Lateral - Female In life: Rosa Henderson
 Landcare Research

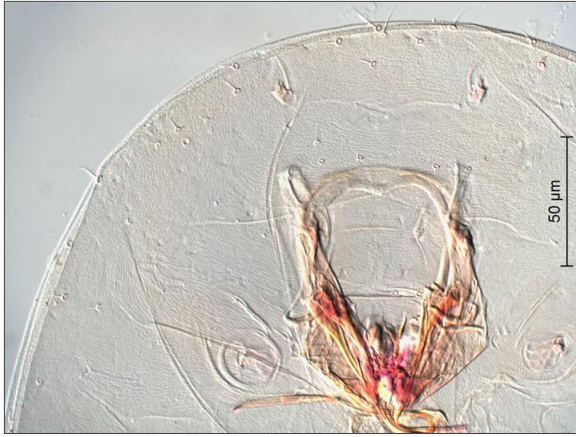


Slide mounted
Pygidium - Female: Rosa Henderson
 Landcare Research



Slide mounted
Spiracle - Female: Rosa Henderson
 Landcare Research

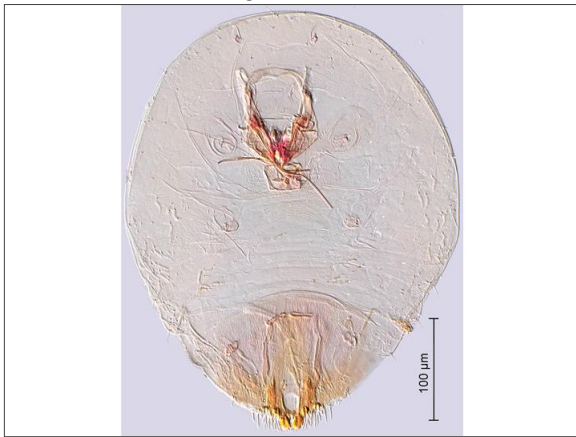
4. Other Images



NZA590. Magnification: 40x.
Dorsal - Adult: Qing-Hai Fan MAF



NZA590. Magnification: 40x.
Dorsal - Adult: Qing-Hai Fan MAF



NZA590. Magnification: 20x.
Full Body: Qing-Hai Fan MAF



NZA590. Magnification: 40x.
Pygidium - Dorsal - Adult: Qing-Hai Fan MAF

Results Generated:

Wednesday, August 10, 2022