

# *Alopecosa aculeata* (Clerck, 1757)

FAMILY: LYCOSIDAE Sundevall, 1833

Genus: *Alopecosa* Simon, 1885

Species: *Alopecosa aculeata* (Clerck, 1757)

Author of this page: **Shorthouse, David P.**

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**General Comments:** This species is distributed from Alaska to Newfoundland and Labrador, south to Arizona and Connecticut. It is also found in Europe and Asia (Dondale & Redner, 1990).

## Common Names

**Family Common Name:** wolf spiders

**Genus Common Name:** none

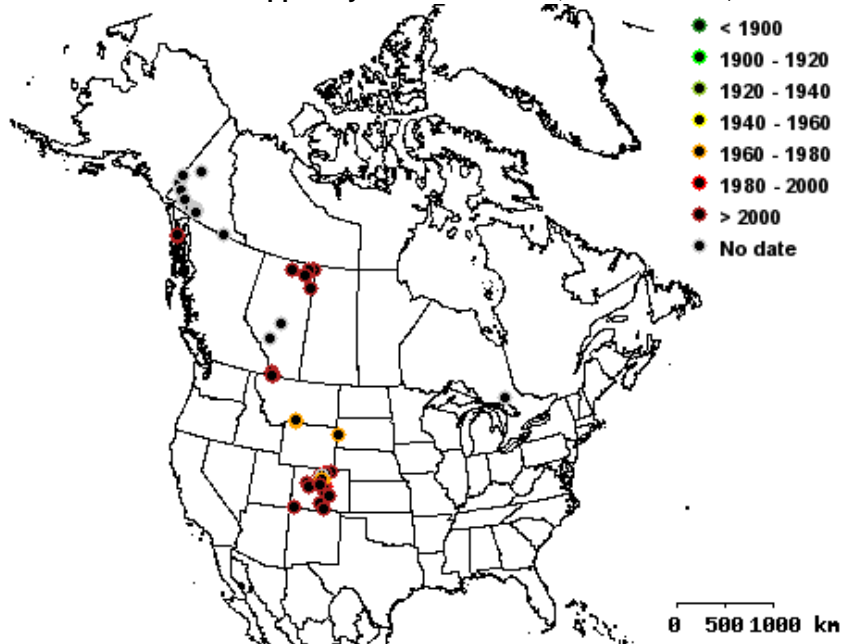
**Species Common Name:** none

## Distribution

**Global Distribution:** Holarctic

**Nearctic States & Provinces:** (from the Nearctic Spider Database) AB ON YT AK CO MT NH SD

**Collection Locales Mapped by Year Collected:** (from the Nearctic Spider Database)



## Natural History, Phenology & Image(s)

**Feeding Guild:**<sup>‡</sup> ground runners

<sup>‡</sup>Feeding guild when noted defined by Uetz, G. W., J. Halaj, and A. B. Cady. 1999. Guild structure of spiders in major crops. *Journal of Arachnology* 27:270-280.

**Recorded Habitats:** sunlit forest glades, shrubby meadows (Dondale & Redner, 1990).

**Life & Natural History:** Adult males have been collected from late April to October and adult females from May to the middle of November (Dondale & Redner, 1990). Egg sacs with 95-165 eggs have been recorded.

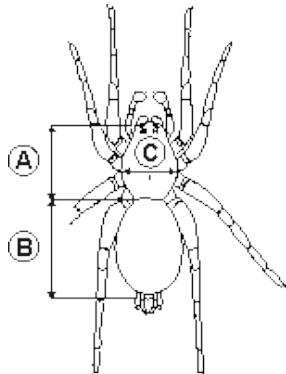
**Image(s) of Habitus:** (images not yet available)

## Details About Males

**Description:** The carapace has darker lines that radiate out from the dorsal groove. The lateral areas of the carapace are red-brown to black in colour. There are no submarginal bands. Femora I and II and tibia I are darker than other segments. The femora sometimes have dark

rings. The abdomen has a pair of dark, lateral bands, which sometimes break into a series of spots toward the posterior or connect to form chevrons. The heart mark is dark and the venter is pale red-brown. **Palp:** lacks terminal macrosetae. The terminal apophysis is small, pale. The embolus is straight at its base. The tip of the median apophysis has a flat, mesally directed tooth (Dondale & Redner, 1990).

#### Male Dimensions:



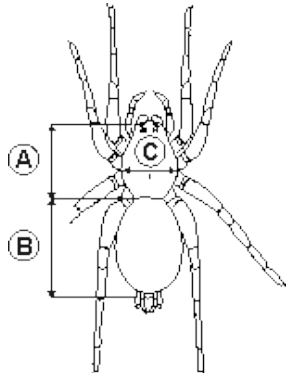
**A+B = 9.5 mm A = 4.29 mm C = 3.07 mm**

**Image of External Male Genitalia:** (image not yet available)

#### Details About Females

**Description:** Coloring like in the male but the carapace sometimes has faint submarginal bands. Legs with femora I, II and tibia I not darker than other segments. **Epigynum:** hooded with two deep cavities. Median septum has a pair of internal longitudinal ridges at the midline (Dondale & Redner, 1990).

#### Female Dimensions:



**A+B = 11.3 mm A = 4.31 mm C = 3.16 mm**

**Image of Epigynum:** (image not yet available)

#### Descriptions Source:

Dondale, C. D. & J. H. Redner. 1990. The insects and arachnids of Canada, Part 17. The wolf spiders, nurseryweb spiders, and lynx spiders of Canada and Alaska, Araneae: Lycosidae, Pisauridae, and Oxyopidae. *Research Branch, Agriculture Canada, Publ. 1856:* 1-383.

#### Synonyms and Chresonyms<sup>†</sup>

*Alopecosa aculeata* Clerck 1757  
*Araneus aculeatus* Clerck 1757  
*Alopecosa aculeata* Clerck 1758  
*Lycosa ephippium* Hahn 1829  
*Lycosa meridiana* Hahn 1831  
*Lycosa nivalis* Sundevall 1833  
*Tarentula nivalis* C. L. Koch 1850  
*Tarentula taeniata* Thorell 1856  
*Lycosa cursor* Westring 1861  
*Tarentula taeniata* Ohlert 1867  
*Tarentula aculeata* Thorell 1872

*Tarentula andrenivora* Fickert 1875  
*Lycosa pulverulenta* Kulczynski 1882  
*Lycosa trabalis* Becker 1882  
*Tarentula aculeata* Dahl 1883  
*Tarentula meridiana* Dahl 1883  
*Lycosa beanii* Emerton 1894  
*Tarentula aculeata* Bösenberg 1903  
*Lycosa beanii* Chamberlin 1908  
*Tarentula aculeata* Dahl 1908  
*Tarentula aculeata* Järvi 1908  
*Tarentula aculeata* Kulczynski 1909  
*Lycosa aculeata* Lessert 1910  
*Alopecosa beanii* Petrunkevitch 1911  
*Tarentula aculeata* Dahl & Dahl 1927  
*Tarentula aculeata* Palmgren 1939  
*Tarentula aculeata* Chamberlin & Ivie 1947  
*Tarentula aculeata* Holm 1947  
*Tarentula aculeata* Kaston 1948  
*Tarentula aculeata* Schenkel 1950  
*Alopecosa aculeata* Roewer 1955  
*Alopecosa aculeata* Muller 1958  
*Alopecosa aculeata* Lugetti & Tongiorgi 1969  
*Alopecosa aculeata* Azheganova 1971  
*Alopecosa aculeata* Fuhn & Niculescu-Burlacu 1971  
*Alopecosa aculeata* Miller 1971  
*Alopecosa aculeata* Loksa 1972  
*Alopecosa aculeata* Dondale & Redner 1979  
*Alopecosa aculeata* Izmailova 1989  
*Alopecosa aculeata* Dondale & Redner 1990  
*Alopecosa aculeata* Kronstedt 1990  
*Alopecosa aculeata* Heimer & Nentwig 1991  
*Alopecosa aculeata* Tanaka 1992  
*Alopecosa aculeata* Yin et al. 1997  
*Alopecosa aculeata* Roberts 1998  
*Alopecosa aculeata* Song, Zhu & Chen 1999  
*Alopecosa aculeata* Song, Zhu & Chen 2001  
*Alopecosa aculeata* Paquin & Dupérré 2003  
*Alopecosa aculeata* Almquist 2005

#### **Taxonomic References**<sup>†</sup>

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†Nomenclature and taxonomic references from the World Spider Catalog accessible at <http://research.amnh.org/entomology/spiders/catalog/LYCOSIDAE.html>

### Natural History References

- Dondale, C. D. & J. H. Redner. 1990. The insects and arachnids of Canada, Part 17. The wolf spiders, nurseryweb spiders, and lynx spiders of Canada and Alaska, Araneae: Lycosidae, Pisauridae, and Oxyopidae. *Research Branch, Agriculture Canada, Publ.* **1856**: 1-383.

### Other Nearctic Members of Genus *Alopecosa* Simon, 1885† ‡

- A. accentuata* (Latreille, 1817) .....Palearctic  
*A. alpicola* (Simon, 1876) .....Palearctic  
*A. barbipes* (Sundevall, 1833) .....Palearctic  
*A. cuneata* (Clerck, 1757) .....Palearctic  
*A. cursor* (Hahn, 1831) .....Palearctic  
*A. exasperans* (O. P.-Cambridge, 1877) .....Canada, Greenland  
*A. fabrilis* (Clerck, 1757) .....Palearctic  
*A. hirtipes* (Kulczynski, 1907) .....Canada, Alaska, Russia  
*A. inquilina* (Clerck, 1757) .....Palearctic  
*A. kochi* (Keyserling, 1877) .....North America  
*A. mariae* (Dahl, 1908) .....Palearctic  
*A. mutabilis* (Kulczynski, 1908) .....Russia, Alaska  
*A. oahuensis* (Keyserling, 1890) .....Hawaii  
*A. pictilis* (Emerton, 1885) .....Holarctic  
*A. pinetorum* (Thorell, 1856) .....Palearctic  
*A. pulverulenta* (Clerck, 1757) .....Palearctic  
*A. schmidtii* (Hahn, 1835) .....Palearctic  
*A. sulzeri* (Pavesi, 1873) .....Palearctic  
*A. taeniata* (C. L. Koch, 1835) .....Palearctic

‡ May also include species with Palearctic distribution

### Page Reference:

Shorthouse, David P. *submitted*. Taxonomic and natural history description of FAM: LYCOSIDAE, *Alopecosa aculeata* (Clerck, 1757). In: The Nearctic Spider Database. David P. Shorthouse (editor). World Wide Web electronic publication. Direct link: <http://www.canadianarachnology.org/data/spiders/17373> (Accessed: 7/25/2008 10:32:35 AM).

Author Email Address: [dshorthouse@eol.org](mailto:dshorthouse@eol.org)

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