

GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: Dysdera crocata

Dysdera crocata System: Terrestrial

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Dysderidae

Common name European garden spider (English), woodlouse spider (English), sow-bug killer

(English), woodlouse hunter (English), slater-eating spider (English)

Synonym Dysdera crocota
Similar species Loxosceles reclusa

Summary Dysdera crocata has been introduced and may be established in parts of St

Helena, however, its biostatus is not known for certain and as it is has not been monitored. *D. crocata* is a known Mediterranean-originating invasive in California, USA. It is unknown what affect it may be having on endemic

invertebrates that inhabit similar niches.



view this species on IUCN Red List

Species Description

Dysdera crocata is up to 2 cm long with a bright reddish brown carapace (Ashmole & Ashmole 2004). The body length is reported as 1.1cm for the male and 1.4cm for the female (Australian Museum 2003). It has six eyes in a tight group, reddish-orange legs, a pale cream to pinkish-tan abdomen and a brown cephalothorax (head + thorax) (University of Nebraska–Lincoln 2008). The chelicerae (fangs) are long and divergent, probably as an adaptation to its diet of woodlice (Ashmole & Ashmole 2004). This medium-sized spider has three pair of legs directed forward and one pair back (University of Nebraska–Lincoln 2008).

Dysdera can be distinguished from young miturgids of the genus *Tecution* (which also have reddish coloration and large fangs) by the six eyes (*Tecution* species have eight widely spaced eyes). There is a possibility of confusion of young individuals with young prodidomids, which may be elongate and sometimes appear to have only 6 eyes (Ashmole & Ashmole 2004).

Notes

Dysdera crocata is often incorrectly spelled as Dysdera crocota C.L Koch 1839.

The bite of *D. crocata* is not considered dangerous but the large jaws can give a painful bite and may cause local redness and swelling (Australia Museum 2003).

Habitat Description

Dysdera crocata is usually found under wood or bark (University of California Berkeley Undated). *D. crocata* prefers to hide in sheltered, damp, ground habitats such as those provided by logs, rocks and rubbish, and is sometimes found in urban gardens under old bricks or paving (Australian Museum 2003).

Reproduction

Dysdera crocata does not make a web, instead building a silken sac-like retreat in which it rests, moults and lays eggs. The female will seal herself into her retreat with her eggs until they hatch and the spiderlings are ready to disperse (Australian Museum 2003).



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Nutrition

Dysdera crocata hunts woodlice, members of the terrestrial crustacean order Isoptera which includes pillbugs and sowbugs; it is an active hunting spider feeding at night (University of Nebraska-Lincoln 2008).

Principal source:

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ALIEN RANGE

[4] AUSTRALIA [5] SAINT HELENA [1] UNITED STATES [1] SPAIN

BIBLIOGRAPHY

11 references found for Dysdera crocata

Managment information

Borges, P.A.V., Lobo, J.M., Azevedo, E. B., Gaspar, C., Melo, C. & Nunes, L.V. 2006. Invasibility and species richness of island endemic arthropods: a general model of endemic vs. exotic species. Journal of Biogeography 33: 169-187. University of Nebraska Lincoln 2008. UNL Extension in Lancaster County Insects, Spiders, Mice and More

Summary: Available from: http://lancaster.unl.edu/pest/resources/NESpiders.shtml [Accessed 3 November 2008]

General information

Ascension Island Conservation Centre, undated. Introduction to Ascension Island Invertebrates

Ashmole, Philip and Myrtle Ashmole., December 2004 Guide to Invertebrates of Prosperous Bay Plain, St Helena and Illustrated account of species found on the Eastern Arid Area (EAA), including Prosperous Bay Plain, Holdfast Tom and Horse Point Plain

Summary: Available from: http://kidstonmill.org.uk/docs/files%201-5%20together.pdf [Accessed 3 November 2008]

Australian Museum, 2003. Factsheet Slater-eating Spider Dysdera crocata Family Dysderidae

Summary: Available from: http://www.austmus.gov.au/factsheets/slater eating spider.htm [Accessed 3 November 2008] College of Natural Resources. University of California - Berkeley. Undated. Common Synanthorpic Spiders in California.

Summary: Available from: http://nature.berkeley.edu/~stevelew/cbcstuff/common_spiders/big_spi_quilt.html [Accessed 3 November 2008] CSIRO-Entomology, 2004. 3. Systematic Names: *Dysdera crocata* C.L. Koch **Summary:** Available from: http://www.ento.csiro.au/aicn/system/c_297.htm [Accessed 3 November 2008]

GesPlan, S.A.U., 2008. Dysdera crocata C.L. Koch, 1838

Mendel, H, Ashmole, P & Ashmole, M., 2008. Invertebrates of Central Peaks and Peakdale, St Helena. Unpublished report commissioned by St Helena National Trust, financed by Overseas Territories environmental Programme.

UniProt Taxonomy, 2008. Species Dysdera crocata (Woodlouse spider)

Summary: Available from: http://www.uniprot.org/taxonomy/58764 [Accessed 3 November 2008]

Vetter, Rick. 1999. Identifying and Misidentifying the Brown Recluse Spider Dermatology Online Journal 5 (2): 7 Department of Entomology, **University of California Riverside**

Summary: Available from: http://dermatology.cdlib.org/DOJvol5num2/special/recluse.html [Accessed 3 November 2008]