

***Aedes aegypti***

**System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Diptera	Culicidae

**Common name** yellow fever mosquito (English), stégomyie (French)

**Synonym**

- Culex aegypti*, Linnaeus, 1762
- Culex albopalposus*, Becker, 1908
- Culex anguste-alatus*, Becker, 1908
- Culex annulitarsis*, Macquart, 1844
- Culex argenteus*, Poiret, 1787
- Culex augens*, Wiedemann, 1828
- Culex calopus*, Meigen, 1818
- Culex elegans*, Ficalbi, 1889
- Culex exagitans*, Walker, 1856
- Culex excitans*, Walker, 1848
- Culex fasciatus*, Fabricius, 1805
- Culex frater*, Robineau-Desvoidy, 1827
- Culex inexorabilis*, Walker, 1848
- Culex insatiabilis*, Bigot, 1859
- Culex kououpi*, Brulle, 1833
- Culex rossii*, Giles, 1889
- Culex taeniatus*, Wiedemann, 1828
- Culex toxorhynchus*, Macquart, 1838
- Culex viridifrons*, Walker, 1848
- Duttonia alboannulis*, Ludlow, 1911
- Mimeteomyia pulcherrima*, Taylor, 1919
- Stegomyia atritarsis*, Edwards, 1920
- Stegomyia canariensis*, Pittaluga, 1905
- Stegomyia luciensis*, Theobald, 1901
- Stegomyia nigeria*, Theobald, 1901
- Stegomyia queenslandensis*, Theobald, 1901

**Similar species**

**Summary**

The yellow fever mosquito *Aedes aegypti* is very common in urban and suburban areas in the tropic and subtropic regions. It is adapted to close association with humans and the female feeds almost exclusively on human blood. *A. aegypti* is the domestic vector of the yellow fever virus, caused epidemics of yellow fever in the Americas (before the 1940's) and recently in West Africa, and is responsible for 'urban yellow fever' - direct transmission of the virus between humans. *A. aegypti* is also the most important carrier of the dengue virus, although it is not particularly susceptible to viral infection compared with other mosquito species.



[view this species on IUCN Red List](#)

**Principal source:**

**Compiler:** IUCN SSC Invasive Species Specialist Group (ISSG) with support from the Overseas Territories Environmental Programme (OTEP) project XOT603, a joint project with the Cayman Islands Government - Department of Environment

**Review:**

**Publication date:** 2006-07-17

**ALIEN RANGE**

[1] AMERICAN SAMOA	[1] ANGUILLA
[1] ANTIGUA AND BARBUDA	[1] ARGENTINA
[1] ARUBA	[1] AUSTRALIA
[1] BAHAMAS	[1] BARBADOS
[1] BELIZE	[1] BOLIVIA
[1] BRAZIL	[1] CAMBODIA
[4] CAYMAN ISLANDS	[1] CHINA
[1] COLOMBIA	[1] COSTA RICA
[1] CUBA	[1] DOMINICA
[1] DOMINICAN REPUBLIC	[1] ECUADOR
[1] EL SALVADOR	[1] FIJI
[1] FRENCH GUIANA	[1] GRENADA
[1] GUADELOUPE	[1] GUATEMALA
[1] GUYANA	[1] HAITI
[1] HONDURAS	[1] INDIA
[1] INDONESIA	[1] LAO PEOPLE'S DEMOCRATIC REPUBLIC
[1] MALAYSIA	[1] MARTINIQUE
[1] MEXICO	[1] MONTSERRAT
[1] MYANMAR	[1] NETHERLANDS ANTILLES
[1] NEW CALEDONIA	[1] NEW ZEALAND
[1] NICARAGUA	[1] NIUE
[1] PAKISTAN	[1] PANAMA
[1] PAPUA NEW GUINEA	[1] PARAGUAY
[1] PERU	[1] PHILIPPINES
[1] PUERTO RICO	[1] SAINT BARTHELEMY
[1] SAINT KITTS AND NEVIS	[1] SAINT LUCIA
[1] SAINT MARTIN (FRENCH PART)	[1] SAINT VINCENT AND THE GRENADINES
[1] SAMOA	[1] SINGAPORE
[1] SOLOMON ISLANDS	[1] SRI LANKA



# GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Aedes aegypti*

[1] SURINAME  
[1] TIMOR-LESTE  
[1] TONGA  
[1] TURKS AND CAICOS ISLANDS  
[2] UNITED STATES  
[1] VANUATU  
[1] VIET NAM  
[1] VIRGIN ISLANDS, U.S.  
[1] THAILAND  
[1] TOKELAU  
[1] TRINIDAD AND TOBAGO  
[1] TUVALU  
[1] URUGUAY  
[1] VENEZUELA  
[1] VIRGIN ISLANDS, BRITISH  
[1] WALLIS AND FUTUNA

## BIBLIOGRAPHY

15 references found for *Aedes aegypti*

### Management information

Burton. F.J. Director, Blue Iguana Recovery Programme, Cayman Islands

[Harding, S. J; Brown, C; Jones, F & Taylor, R; 2006. Research Report: A preliminary assessment of the distribution of mosquitoes in the kingdom of Tonga: potential threats to biodiversity through invasive pathogens. School of Biological Sciences, University of Canterbury EcoCare Pacific Trust](#)

**Summary:** Available from:

[http://www.pacificinvasivesinitiative.org/Electronic%20references/pii/project\\_docs/tonga/report\\_mosquitoes\\_in\\_tonga\\_2006.pdf](http://www.pacificinvasivesinitiative.org/Electronic%20references/pii/project_docs/tonga/report_mosquitoes_in_tonga_2006.pdf) [Accessed 10 May 2011]

Harris A. F, Rajatileka S, Ranson H., 2010. Pyrethroid resistance in *Aedes aegypti* from Grand Cayman. *Am J Trop Med Hyg.* 2010 Aug;83(2):277-84.

[Hawaii Conservation Alliance 2005. Mosquitoes in Hawaii?](#)

**Summary:** Available from: [http://www.hawaiiconservation.org/\\_library/documents/mosquitos.pdf](http://www.hawaiiconservation.org/_library/documents/mosquitos.pdf) [Accessed 1 October 2010]

[IUCN/SSC Invasive Species Specialist Group \(ISSG\), 2010. A Compilation of Information Sources for Conservation Managers.](#)

**Summary:** This compilation of information sources can be sorted on keywords for example: Baits & Lures, Non Target Species, Eradication, Monitoring, Risk Assessment, Weeds, Herbicides etc. This compilation is at present in Excel format, this will be web-enabled as a searchable database shortly. This version of the database has been developed by the IUCN SSC ISSG as part of an Overseas Territories Environmental Programme funded project XOT603 in partnership with the Cayman Islands Government - Department of Environment. The compilation is a work under progress, the ISSG will manage, maintain and enhance the database with current and newly published information, reports, journal articles etc.

[Nathan, M. B. and M.E.C. Gigliol. 1982. Eradication of \*Aedes aegypti\* on Cayman Brac and Little Cayman, West Indies, with Abate \(Temephos\) in 1970-1971. \*Bull Pan Am Health Organ\* 16\(i\), 1982](#)

Soper 1967. Dynamics of *Aedes aegypti* distribution and density. *Bulletin of the World Health Organization* 36: 536-538  
Wheeler, Alan S., William D. Petrie and David Malone, 2009. Reintroduction of *Aedes aegypti* into Grand Cayman. *Journal of the American Mosquito Control Association*, 25(3):260-264, 2009

[Wheeler, A. W & W. D Petrie, 2007. An overview of \*Aedes aegypti\* and \*Aedes albopictus\* control in the British Overseas Territory of the Cayman Islands. \*Eurosurveillance, Volume 12, Issue 47, 22 November 2007\*](#)

### General information

Derraik J.G.B. 2004. Exotic mosquitoes in New Zealand: a review of species intercepted, their pathways and ports of entry. *Australia and New Zealand Journal of Public Health* 28: 433-444.

Devine & Denholm 2009. Chapter 135 - Insecticide and Acaricide Resistance. In: V.H. Resh, R.T. Card? (eds) *Encyclopedia of Insects* (Second Edition). Pp 505-511.

Eldridge B.F. 2009. Chapter 172 - Mosquitoes. In: V.H. Resh, R.T. Card? (eds) *Encyclopedia of Insects* (Second Edition). Pp 658-663.

Gubler D.J. 1998. Dengue and dengue hemorrhagic fever. *Clinical Microbiology Reviews* 11: 480-496.

[Integrated Taxonomic Information System \(ITIS\) 2010. \*Aedes albopictus\* Linnaeus, 1762.](#)

**Summary:** Available from: [http://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=126240](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=126240) [Accessed 1 October 2010]

Scott T.W. 2009. Chapter 69 - Dengue. In: V.H. Resh, R.T. Card? (eds) *Encyclopedia of Insects* (Second Edition). Pp 257-259.