

GLOBAL INVASIVE SPECIES DATABASE

Paederia foetida 简体中文 正體中文

System: Terrestrial

Phylum	Class	Order	Family
Magnoliophyta	Magnoliopsida	Rubiales	Rubiaceae
skunk vine (English), stinkvine (English), Chinese fever vine (English)			
Paederia scandans , (Lour.) Merr. Paederia chinensis , Hance Paederia tomentosa , Blume			
Paederia cruddasiana			
Paederia foetida is an aggressive, competitive vine. It can grow high into the canopy of trees in a variety of habitats. The vines climb over shrubs and trees, weighing them down and impeding regeneration. Paederia foetida also invades pastureland and is troublesome along roads and on power lines. Chemicals are often used as an effective method of controlling Paederia foetida. The seeds of Paederia foetida may be dispersed by birds and are also spread by the transport of rooted fragments. Paederia foetida has also been cultivated as an ornamental.			
	skunk vine Paederia sc Paederia ch Paederia to Paederia ch Paederia fo canopy of ti weighing th invades pas Chemicals a foetida. The spread by t	skunk vine (English), stinkvine (En Paederia scandans , (Lour.) Merr. Paederia chinensis , Hance Paederia tomentosa , Blume Paederia foetida is an aggressive, canopy of trees in a variety of hab weighing them down and impedin invades pastureland and is trouble Chemicals are often used as an ef foetida. The seeds of Paederia foe spread by the transport of rooted	skunk vine (English), stinkvine (English), Chinese fever v Paederia scandans , (Lour.) Merr. Paederia chinensis , Hance Paederia tomentosa , Blume Paederia cruddasiana Paederia foetida is an aggressive, competitive vine. It ca canopy of trees in a variety of habitats. The vines climb weighing them down and impeding regeneration. Paede invades pastureland and is troublesome along roads and Chemicals are often used as an effective method of cont foetida. The seeds of Paederia foetida may be dispersed spread by the transport of rooted fragments. Paederia foetida



view this species on IUCN Red List

Species Description

Leaf stalks of *P. foetida* are commonly up to 6cm long. Leaves and stems have a disagreeable odour, especially when crushed. The flowers are small, greyish pink or lilac in colour and occur in broad or long, \"leafy,\" curving clusters. Petals are joined to form a corolla with 5 spreading lobes. Fruits persist through winter and are shiny brown, and nearly round, and are typically 0.7cm wide. Inside are two seeds that are black, round and often dotted with white, needle-shaped crystals (Langeland *et al.* UNDATED).

Lifecycle Stages

P. foetida is a fast growing vine, that shows a wide ranging adaptability to different light, soil, and salt conditions. It is able to establish and grow above the frost line. It is also sensitive to fire. *P. foetida* flowers and fruits mostly in summer and fall (Langeland and Burks, 2000).

Habitat Description

P. foetida may grow high into the trees in a variety of habitats, from mesic hammocks to xeric sand hill communities, although it appears to prefer sunny floodplains and bottomlands. *P. foetida* can even grow under water (IFAS, 2001). It has been observed that *P. foetida* occurs frequently in tree gaps, and other disturbed areas (Langeland and Burks, 2000).

Reproduction

The seeds of *P. foetida* may be dispersed by birds, and are also spread by accidental transport of rooted fragments (Langeland and Burks, 2000). Starr *et al.* (2003) states that, \"*P. foetida* is dispersed throughout the world by humans who grow and cultivate the plant for ornamental or other purposes.\"



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FULL ACCOUNT FOR: Paederia foetida

General Impacts

Starr *et al.* (2003) state that, \"*P. foetida* thrives in a variety of habitats and exhibit aggressive growth. Vines climb on desirable shrubs and trees, weighing them down and impeding regeneration below the dense shade. \" *P. foetida* invades pasture land and causes problems along highways and on power lines. In the United States *P. foetida* has been observed to be the cause of smothering out portions of one of the few remaining populations of the endemic, federally endangered Cooley's water willow *Justicia cooleyi* (Langeland and Burks, 2000).

Management Info

<u>Preventative measures</u>: A <u>Risk Assessment of *Paederia foetida*</u> for Hawai'i and other Pacific islands was prepared by Dr. Curtis Daehler (UH Botany) with funding from the Kaulunani Urban Forestry Program and US Forest Service. The alien plant screening system is derived from Pheloung *et al.* (1999) with minor modifications for use in Pacific islands (Daehler *et al.* 2004). The result is a score of 21 and a recommendation of: \"Likely to cause significant ecological or economic harm in Hawai'i and on other Pacific Islands as determined by a high WRA score, which is based on published sources describing species biology and behaviour in Hawai'i and/or other parts of the world.\"

Control of the plant by chemical or mechanical means has to take into consideration damages to vegetation supporting the vine.

<u>Chemical</u>: Triclopyr and glyphosate products have been used for controlling *P. foetida* (Starr *et al.* 2003)). Langeland *et al.* (UNDATED) point out that complete control cannot be achieved with a single application and follow-up applications are necessary.

<u>Physical</u>: They also add that hand removal of *P. foetida* in landscape situations will be necessary but large-scale hand removal in natural areas has proven ineffective. Flooding decreases vigor but *P. foetida* remain alive when submersed for at least 192 days.

Principal source: <u>Paederia foetida</u> (Langeland and Burks, 2000) <u>Paederia foetida</u> (Starr et al. 2003)

Compiler: National Biological Information Infrastructure (NBII) & IUCN/SSC Invasive Species Specialist Group (ISSG)

Review: Paul D. Pratt, Ph.D. USDA/ARS. Invasive Plant Research Laboratory Fort Lauderdale, Florida USA

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ALIEN RANGE

[1] BRAZIL

[9] UNITED STATES

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Managment information

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Summary: Information on history and identification of species.

Available from: http://aquat1.ifas.ufl.edu/paefoe.html [Accessed 28 October 2003]

ITIS (Integrated Taxonomic Information System), 2005. Online Database Paederia foetida

Summary: An online database that provides taxonomic information, common names, synonyms and geographical jurisdiction of a species. In addition links are provided to retrieve biological records and collection information from the Global Biodiversity Information Facility (GBIF) Data Portal and bioscience articles from BioOne journals. Available from:

http://www.cbif.gc.ca/pls/itisca/taxastep?king=every&p_action=containing&taxa=Paederia+foetida&p_format=&p_ifx=plglt&p_lang= [Accessed March 2005]

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Summary: Information on plants that pose threats to natural resource areas in Florida.

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