

Fire Effects Information System (FEIS)

www.fs.fed.us/database/feis

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How does fire affect plants & animals?

FEIS has answers in >1,100 scientific literature reviews on plants & animals, including >160 nonnative plants.



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Fire Effects Information System

(enter query) Search

FEIS Home Page

Search FEIS: skunkvine Search Options Help

FEIS summarizes and synthesizes research about living organisms in the biology, ecology, and relationship to fire.

To cite information from a FEIS review, copy and paste the Authorship and INTRODUCTORY page.

Example:

Stone, Katherine R. 2010. *Schedonorus pratensis*. In: Fire Effects Info [Online]. U.S. Department of Agriculture, Forest Service, Rocky Mountain Station, Fire Sciences Laboratory (Producer). Available: <http://www.fs.fed.us/database/feis> [2010, November 4].

Other fire effects reports available online:

RHRS-GTR-42-vol. 1. Wildland fire in ecosystems: effects of fire on fauna
RMRS-GTR-42-vol. 2. Wildland fire in ecosystems: effects of fire on soils a
RMRS-GTR-42-vol. 4. Wildland fire in ecosystems: effects of fire on flora
RMRS-GTR-42-vol. 5. Wildland fire in ecosystems: effects of fire on air
RMRS-GTR-42-vol. 6. Wildland fire in ecosystems: fire and nonnative inva
More information on fire research and management: [FRAMES](#)

Forest Service National Links

SPECIES: *Pandorea foetida*

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FIRE EFFECTS AND MANAGEMENT

SPECIES: *Pandorea foetida*

- FIRE EFFECTS
- FIRES & FIRE REGIMES
- FIRE MANAGEMENT CONSIDERATIONS

FIRE EFFECTS

Immediate fire effect on plant: Skunkvine is top-killed [1] if not entirely killed by fire [13].

Positive regeneration strategy [1]:

General control strategy (on site, initial community secondary colonizer (on- or off-site seed source))

FIRE ADAPTATIONS AND PLANT RESPONSE TO FIRE:

Fire adaptations in the few studies (as of 2009) are in effect to prevent or reduce damage [14].

Notes: The lack of information on fire effects and fire tolerance of this species make predicting skunkvine's postfire survival and regeneration difficult.

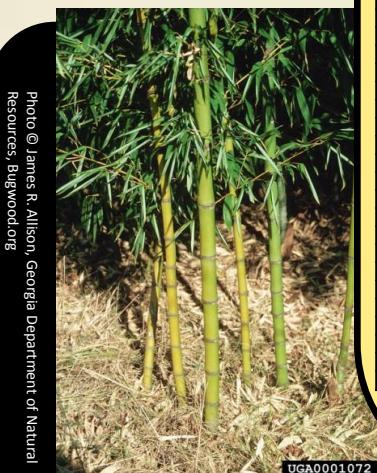
Habit tolerance of skunkvine seeds was not reported in the available literature (2009). In the single study it seems that in unburned sites, skunkvine seed rain was lacking, suggesting that seedlings establish at seed sources [15].

Plant response to fire: Studies described below suggest that skunkvine may be killed by fire, but general from burned sites was short-lived. Reports of prolific sprouting by skunkvine came from a study that investigated seedling establishment in repeatedly burned sites [20]. In the only US fire

Prescribed fire in cogongrass to remove thatch before herbicide application



Princesstree in postfire habitat in Linville Gorge Wilderness Area, NC



Golden bamboo

Photo © James R. Allison, Georgia Department of Natural Resources, Bugwood.org

New to FEIS: Reviews on >70 nonnative plants invasive in the eastern United States

Species added to or updated in FEIS as of February 2011			
Scientific name	Common name	Scientific name	Common name
<i>Aegopodium podagraria</i>	bishop's gout-weed	<i>Melia azedarach</i>	chinaberry
<i>Ailanthus altissima</i>	tree-of-heaven	<i>Melilotus alba</i>	white sweetclover
<i>Albizia julibrissin</i>	mimosa, silktree	<i>Melilotus officinalis</i>	yellow sweetclover
<i>Amelanchier brevipedunculata</i>	porcelainberry	<i>Microstegium vimineum</i>	Japanese stiltgrass
<i>Berberis vulgaris</i>	common barberry	<i>Miscanthus sinensis</i>	Chinese silvergrass
<i>Cirsium palustre</i>	marsh thistle	<i>Morus alba</i>	white mulberry
<i>Coronilla varia</i>	crown vetch	<i>Nandina domestica</i>	sacred bamboo
<i>Cynanchum louiseae</i>	black swallow-wort	<i>Neyraudia reynaudiana</i>	silksilk
<i>Cynanchum rossicum</i>	pale swallow-wort	<i>Paederia foetida</i>	skunkvine
<i>Dioclea alata</i>	water yam	<i>Paulownia tomentosa</i>	princesstree
<i>Dioclea bulbifera</i>	air potato	<i>Persicaria longiseta</i>	Oriental lady's thumb
<i>Dioclea oppositifolia</i>	Chinese yam	<i>Phalaris arundinacea</i>	reed canarygrass
<i>Dioclea pentaphylla</i>	five-leaf yam	<i>Phyllostachys aurea</i>	golden bamboo
<i>Dioclea sansibarensis</i>	Zanzibar yam	<i>Polygonum aviculare</i>	prostrate knotweed
<i>Dipsacus laciniatus</i>	cut-leaved teasel	<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Dipsacus sylvestris</i>	common teasel	<i>Polygonum perfoliatum</i>	mile-a-minute
<i>Elaeagnus pungens</i>	thorny-olive	<i>Polygonum sachalinense</i>	giant knotweed
<i>Eragrostis curvula</i>	weeping lovegrass	<i>Polygonum x bohemicum</i>	Bohemian knotweed
<i>Euonymus alatus</i>	burningbush	<i>Populus alba</i>	white poplar
<i>Euonymus fortunei</i>	wintercreeper	<i>Rhamnus cathartica</i>	common buckthorn
<i>Euphorbia cyathophora</i>	cypress spurge	<i>Rhamnus davurica</i>	Dahurian buckthorn
<i>Euphorbia esula</i>	leafy spurge	<i>Robinia pseudoacacia</i>	black locust
<i>Frangula alnus</i>	glossy buckthorn	<i>Rubus phoenicolasius</i>	wineberry
<i>Glehnia hederacea</i>	ground ivy	<i>Schedonorus pratensis</i>	meadow fescue
<i>Hedera helix</i>	English ivy	<i>Schefflera actinophylla</i>	octopus tree
<i>Heracleum mantegazzianum</i>	giant hogweed	<i>Schinus terebinthifolius</i>	Brazilian pepper
<i>Hieracium aurantiacum</i>	orange hawkweed	<i>Solanum dulcamara</i>	Climbing nightshade
<i>Hieracium piloselloides</i>	tall hawkweed	<i>Solanum viarum</i>	tropical soda apple
<i>Hieracium pratense</i>	field hawkweed	<i>Tanacetum vulgare</i>	common tansy
<i>Holcus lanatus</i>	velvet grass	<i>Triadica sebifera</i>	Chinese tallow
<i>Iris pseudacorus</i>	yellow iris	<i>Tussilago farfara</i>	colts foot
<i>Kummerowia stipulacea</i>	Korean clover	<i>Urochloa mutica</i>	para grass
<i>Kummerowia striata</i>	Japanese clover	<i>Vinca major</i>	bigleaf periwinkle
<i>Lespedeza bicolor</i>	bicolor lespedeza	<i>Vinca minor</i>	periwinkle
<i>Lespedeza cuneata</i>	sericea lespedeza	<i>Wisteria floribunda</i>	Japanese wisteria
<i>Lysimachia nummularia</i>	moneywort	<i>Wisteria sinensis</i>	Chinese wisteria



Mimosa flowerhead

Photo by Dan Tenaglia, missouriplants.com



Lake Okeechobee wildfire

Photo by Chuck Hanlon, South Florida Water Management District

U.S.D.A. Forest Service, Rocky Mountain Research Station, Fire Modeling Institute



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