

*Lonicera maackii* [简体中文](#) [正體中文](#)

**System:** Terrestrial

Kingdom	Phylum	Class	Order	Family
Plantae	Magnoliophyta	Magnoliopsida	Dipsacales	Caprifoliaceae

## Common name

## Synonym

*Lonicera maackii*, (Rupr.) Maxim.

## Similar species

## Summary

Native to eastern Asia, *Lonicera maackii* was introduced to the United States as an ornamental shrub. Reported from 24 states in the US *L. maackii* is an invader of disturbed or secondary forest habitats. It forms dense thickets along edge habitats and forest canopies with the potential to alter ecosystem functioning and community structure.



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

## Species Description

*Lonicera maackii* can reach a height of 7 m. It has multiple stems and the leaves are dark-green and opposite. The stem is opposite branched and tan and could be perceived as a braided-strand. The bark often flakes off the stem. In older *Lonicera maackii* the stems are hollow. The leaves are ovate and oblong and have rounded to subcordate bases. They range from 3-10cm long. The petioles are 2.5-10cm long. Axillary has bracted with short-stemmed clusters and has one or more flowers. Berries are green and as they ripen they turn pink to red (Miller, 2003). The roots are fibrous and spreading.

## Lifecycle Stages

In warm and moist conditions with light, seeds will germinate in 18 days (Luken and Goessling, 1995). Fruit will not be produced until 3-5 years (Luken and Thieret, 1996).

## Uses

*Lonicera maackii* is a popular landscape plant in North America (Bartuszevige, 2004).

## Habitat Description

*Lonicera maackii* can be found in fields, forest edges, and disturbed areas with canopy openings. High light availability is ideal for *L. maackii* to invade (Musson and Mitsch, 2002).

## Reproduction

White flowers emerge in spring turning yellow with age (Luken and Thieret, 1996). According to Hutchinson and Vankat (1998), *Lonicera maackii* "produces numerous red berries that ripen in autumn and are bird dispersed."

## General Impacts

*Lonicera maackii* is an invader of disturbed or secondary forest habitats. It forms dense thickets along edge habitats and forest canopies with the potential to alter ecosystem functioning and community structure.

## Management Info

**Chemical:** Glyphosate herbicide is used in foliar treatment of *Lonicera maackii*. This is not the best method as it also kills the native understory. Stem injection with EZ-Ject lance is considered the most effective means of killing *L. maackii* (Hartman and McCarthy, 2004).

**Physical:** Hand pulling *L. maackii* is effective in moist ground, but should be done when the shrub is less than 3 years, otherwise it is likely to resprout. A polaski axe can also be used to get rid of plants (Hartman and McCarthy, 2004).

**Principal source:** Hartman, K.M, B.C. McCarthy. 2004. Restoration of a Forest Understory After the Removal of an Invasive Shrub, Amur Honeysuckle (*Lonicera maackii*).

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

## Review:

**Publication date:** 2011-09-23

## ALIEN RANGE

[1] CANADA

[18] UNITED STATES

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74 references found for *Lonicera maackii*

### Management information

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Hartman, K.M, B.C. McCarthy. 2004. Restoration of a Forest Understory After the Removal of an Invasive Shrub, Amur Honeysuckle (*Lonicera maackii*). *Restoration Ecology*. 12(2): 154-165.

**Summary:** Evaluates different eradication methods for Amur Honeysuckle and how these methods affect the understory.

Hartman, Kurt M.; McCarthy, Brian C., 2004. Restoration of a forest understory after the removal of an invasive shrub, Amur honeysuckle (*Lonicera maackii*). *Restoration Ecology*. 12(2). June 2004. 154-165.

Loeb, Robert E.; Germeraad, Jesse; Treece, Travis; Wakefield, Daniel; Ward, Steve. 2010. Effects of 1-Year vs. Annual Treatment of Amur Honeysuckle (*Lonicera maackii*) in Forests. *Invasive Plant Science & Management*. 3(3). JUL-SEP 2010. 334-339.

Luken, J. O., D.T. Mattimiro. 1991. Specific Resilience of the Invasive Shrub Amur Honeysuckle (*Lonicera maackii*) During Repeated Clipping. *Ecological Applications*. 1(1): 104-109.

**Summary:** Discusses how *L. maackii* responds to clipping in a forest or open-grown environment.

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## General information



# GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Lonicera maackii*

[Bartuszevige, A.M. 2004. The Influence of Habitat Suitability, Landscape Structure, and Seed Dispersers on Invasion of an Exotic Plant Species, \*Lonicera maackii\* \(Rupr\) Herder, Amur Honeysuckle. Dissertation, Doctor of Philosophy, Department of Botany, Miami University \(Ohio\).](#)

**Summary:** This dissertation analyzes the invasion of *Lonicera maackii* in Ohio.

Available from: [http://www.ohiolink.edu/etd/send\\_pdf.cgi/Bartuszevige%2C%20Anne%20M.pdf?acc\\_num=miami1102952156](http://www.ohiolink.edu/etd/send_pdf.cgi/Bartuszevige%2C%20Anne%20M.pdf?acc_num=miami1102952156) [Accessed 15 May 2007]

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**Summary:** This article discusses how *L. maackii* spreads across a landscape.

Hutchinson, Todd F.; Vankat, John L., 1997. Invasibility and effects of Amur honeysuckle in Southwestern Ohio forests. *Conservation Biology*. 11(5). 1997. 1117-1124.

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[ITIS \(Integrated Taxonomic Information System\), 2005. Online Database \*Lonicera maackii\* \(Rupr.\) Herder.](#)

**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.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=35298](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=35298) [Accessed 14 January 2008]

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- Summary:** Gives full description of *Elaeagnus pungens*.  
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- Summary:** This website gives common names and distribution for *Lonicera maackii*.  
Available from: <http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?22596> [Accessed 15 May 2007].
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- Summary:** This website gives information on taxonomy and distribution of a species by state.  
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# GLOBAL INVASIVE SPECIES DATABASE

FULL ACCOUNT FOR: *Lonicera maackii*

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Williams C. E.; Ralley J. J.; Taylor D. H., 1992. Consumption of seeds of the Invasive Amur Honeysuckle *Lonicera maackii* (Rupr.) Maxim by small mammals. *Natural Areas Journal*. 12(2). 1992. 86-89.