

PRISM
 (New York Partnerships for Regional Invasive Species Management)
NON-NATIVE PLANT INVASIVENESS RANKING FORM

PRISM: Long Island Invasive Species Management Area

Scientific name: Humulus japonicus Sieb. & Zucc. USDA Plants Code: HUJA
 Common names: Japanese hops
 Native Distribution: East Asia
 Date Assessed: May 6, 2009
 PRISM Assessors: Steve Glenn, Gerry Moore
 PRISM Reviewers: LIISMA SRC
 Date Approved: May 13, 2009 Form version date: 13 April 2009
 New York Relative Maximum score: 74.03 Date NY assessment approved: May 13, 2009
 New York State Invasive Rank: High

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Widespread
Estimated number of infested sites: 15
PRISM Invasiveness Rank[§]: High



A. DISTRIBUTION AND ABUNDANCE (KNOWN/POTENTIAL):

1. What is the species distribution and abundance in the PRISM?

- | | |
|--|-------------|
| A. Not present | Not Present |
| B. Occurs in three or fewer natural areas (locations that are at least ¼ mile apart) with no infested area* >1 acre or containing >100 individuals | Restricted |
| C. Present in 4–10 natural areas, or with one occupied location >1 acre or containing >100 individuals | Common |
| D. Present in >10 minimally managed areas | Widespread |
| U. Unknown | Unknown |

Answer: Widespread

Describe distribution:
 Documented from 15 sites on Long Island and Staten Island since 1980; mostly in urban areas- 1 record from Nassau Co., 0 records from Suffolk Co. no pre-1980 records outside NY City.
 Sources of information:
 Brooklyn Botanic Garden, 2009.

[§]Not Assessable: not persistent in the PRISM, or not found outside of cultivation.

*Definition of “infested area” is the “...actual or percentage of land occupied by [canopy cover of] weed plants” NAWMA (North American Weed Management Association) 2002. North American Invasive Plant Mapping Standards (see <http://www.nawma.org/>).

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2. What is the likelihood the species will occur (if not yet present) or expand its distribution and abundance (if already present) in the PRISM?

Answer:

Documentation (e.g.: history of establishment in PRISM, suitability of habitats and climate, distribution models, literature, expert opinions):

Current and historical distributions on Long Island/Staten Island suggest that this species is mostly confined to urban areas in the Long Island PRISM. There is a moderate likelihood that *H. japonicus* could at least expand into disturbed riparian environments in the Long Island PRISM.

Sources of information:

Gravuer, 2006; Brooklyn Botanic Garden, 2009.

B. INVASIVENESS RANK IN THE PRISM:

Is the species distribution Widespread or Common?

Yes: Go to column A in table below.

No: What is the likelihood of species occurrence or expansion? Answer:

- Very Likely: Use column A below
- Moderately likely: Use column B below
- Unlikely: Use column C below
- Zero likelihood Invasive potential Insignificant
- Unknown Invasive potential Unknown
- Not assessed Invasive potential not assessed

Assign a PRISM invasiveness rank to the species based on its New York Relative Maximum Score, using the designated column in the table below.

New York Relative Maximum Score	New York Invasiveness Rank	A	B	C
> 80.00	Very High	VH	H	M
70.00–80.00	High	H	M	L
50.00–69.99	Moderate	M	L	Ins
40.00–49.99	Low	L	Ins	Ins
<40.00	Insignificant	Ins	Ins	Ins

Column used: A (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:

Brooklyn Botanic Garden. 2009. AILANTHUS database. [Accessed on May 6, 2009.]

Gravuer, K. 2006. *Humulus japonicus*. U.S. Invasive Species Impact Rank (I-Rank). NatureServe Explorer. <www.natureserve.org>. [Accessed on 6 May 2009].

Citation: This ranking form for regions within NYS may be cited as: Jordan, M.J., G. Moore and T.W. Weldy. 2008. Invasiveness ranking system for non-native plants of New York. Unpublished. The Nature Conservancy, Cold Spring Harbor, NY; Brooklyn Botanic Garden, Brooklyn, NY; The Nature Conservancy, Albany, NY. Note that the order of authorship is alphabetical; all three authors contributed substantially to the development of this protocol.

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