

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

PRISM: Adirondack Park Invasive Program

Scientific name: Heracleum mantegazzianum USDA Plants Code: HEMA17
 Common names: Giant Hogweed
 Native Distribution: Central Asia
 Date Assessed: December 3rd 2015
 PRISM Assessors: Zachary Simek
 PRISM Reviewers: Giant Hogweed
 Date Approved: 4/7/2016 Form version date: 13 April 2009
 New York Relative Maximum score: 72.00 Date NY assessment approved: 21 April 2008
 New York State Invasive Rank: High

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Restricted
Estimated number of infested sites: >5
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: Restricted

Describe distribution:
 There are currently 5 documented and mapped infestations of *Heracleum mantegazzianum* within the Adirondack PRISM. Sites range in size from 5 to 100 plants. Four of these infestations fall on private, residential property, and one falls along a road corridor. All known giant hogweed sites in the Adirondack PRISM are associated with disturbed sites. This species has not yet expanded into natural areas.
 Sources of information:
 APIPP's terrestrial invasive species distribution data (WIMS)

[§]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: Moderately likely

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

There is ample suitable habitat where giant hogweed can expand in the PRISM and its presence does not appear to be limited by climate. However, all known populations are currently being managed and there are no seed producing plants present on the landscape. Therefore, propagules would have to come from outside the region or previously undocumented infestations.

Sources of information:

APIPP's terrestrial invasive species distribution data (WIMS)

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: Moderately likely

- 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: B (Insert PRISM Invasiveness Rank on page 1)

References for species assessment:

APIPP's Terrestrial Invasive Species Distribution Data (WIMS). [Accessed on January 23, 2012]

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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