

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Imperata cylindrica (L.) P.Beauv. (all vars. except koenigii)
 USDA Plants Code: IMCY

Common names: Cogongrass, Cogon satin-tail

Native Distribution: Asia, Phillipines

Date Assessed: July 20, 2009; December 16, 2009

PRISM Assessors: Gerry Moore

PRISM Reviewers: LIISMA SRC

Date Approved: Dec. 16, 2009 Form version date: 13 April 2009

New York Relative Maximum score: 79.00 Date NY assessment approved: Dec. 16, 2009

New York State Invasive Rank: High

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Not Present

Estimated number of infested sites: 0

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: Not Present

Describe distribution:
 Not known in New York State. recently reported from Maryland and Virginia.
 Sources of information:
 Masterson, 2007; Brooklyn Botanic Garden, 2009; U.S.D.A. NRCS, 2009; Weldy & Werier, 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: Very likely

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

Should *Imperata cylindrica* become established in New York, it would be very likely to establish in the LIISMA PRISM relative to the other PRISMs.

Sources of information: Brooklyn Botanic Garden, 2009; Weldy & Werier, 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

- 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 July 20, 2009.]

Masterson, J. 2007. The Indian River Lagoon Species Inventory. *Imperata cylindrica*. Smithsonian Marine Station at Fort Pierce. <sms.si.edu/IRLspec/Imperata_cylindrica.htm>. [Accessed July 20, 2009.]

United States Department of Agriculture, National Resources Conservation Service. 2008. The PLANTS Database. National Plant Data Center, Baton Rouge, Louisiana. [Accessed on July 20, 2009.]

Weldy, T. & D. Werier. 2009. New York Flora Atlas. [S. M. Landry and K. N. Campbell (original application development), Florida Center for Community Design and Research. University of South Florida]. New York Flora Association, Albany, New York. [Accessed July 20, 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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