

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Agrostis stolonifera L. (Agrostis maritima Lam.; A. palustris Huds.; A. stolonifera L. var. compacta Hartm.; A. stolonifera var. palustris (Huds.) Farw.; A. stolonifera var. stolonifera) (exclusive of native populations)
 USDA Plants Code: AGST2

Common names: Creeping bentgrass

Native Distribution: Africa, Eurasia

Date Assessed: December 9, 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: 67.50 Date NY assessment approved: Dec. 16, 2009

New York State Invasive Rank: Moderate

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Widespread

Estimated number of infested sites: >10

PRISM Invasiveness Rank[§]: Moderate



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:
 Present in 3 counties of the LIISMA (Nassau, Richmond, Suffolk) with over 10 collections known from minimally managed areas, even when potentially native coastal populations are discarded.
 Sources of information:
 Brooklyn Botanic Garden, 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:

Documentation (e.g.: history of establishment in PRISM, suitability of habitats and climate, distribution models, literature, expert opinions):
 Already present in the LIISMA.
 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: 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 December 2, 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 December 2, 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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