

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

PRISM: Long Island Invasive Species Management Area

Scientific name: Tanacetum vulgare L. USDA Plants Code: TAVU
 Common names: Common tansy
 Native Distribution: Eurasia
 Date Assessed: April 23, 2009
 PRISM Assessors: Steve Glenn, Gerry Moore
 PRISM Reviewers: LIISMA SRC
 Date Approved: April 29, 2009 Form version date: 3 March 2009
 New York Relative Maximum score: 52.38 Date NY assessment approved: April 29, 2009
 New York State Invasive Rank: Moderate

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Restricted

Estimated number of infested sites: 3

PRISM Invasiveness Rank: Low



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:
 Documented from 3 sites on Long Island since 1980. Documented from about 12 sites on Long Island and Staten Island pre 1980; however, some of these reports may represent cultivated or persisting-from-cultivation populations.
 Sources of information:
 Brooklyn Botanic Garden, 2009.

*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):

Some studies suggests a preference for neutral to alkaline soils (Turner, 1928; Bocher, 1954). A perusal of the Nassau and Suffolk Co. Soil Surveys show only four out of 44 (9.1%) soil series with a pH greater than 6.0. The one area covered on Staten Island exhibited pHs ranging from 5-6.4.

Sources of information:

Turner, 1928; Bocher, 1954; Warner, 1975; Wulforst, 1987; Hernandez & Galbraith, 1997.

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:

Bocher, T. W. 1954. Studies on European calcareous fixed dune communities. *Vegetatio*. 5/6(1):562-570.

Brooklyn Botanic Garden. 2009. AILANTHUS database. [Accessed on 23 April 2009].

Hernandez, L.A. & J.M. Galbraith. 1997. Soil Survey of South Latourette Park, Staten Island, New York City, NY. USDA-Natural Resources Conservation Service. In Partnership with NYC-Soil & Water Conservation District and Cornell University Agricultural Experiment Station. USDA-NRCS, Syracuse, NY.
 <http://clic.cses.vt.edu/icomanth/16-NYC_Survey_Data.pdf> [Accessed on 23 April 2009].

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Turner, J. A. 1928. Relation of the distribution of certain Compositae to the hydrogen-ion concentration of the soil. Bull. Torrey Bot. Club. 55(4):199-213.

Warner, J. W. 1975. Soil survey of Suffolk County, New York. USDA, Soil Conservation Service, in cooperation with Cornell Agric. Exp. Sta., Washington, D. C.

Wulforst, J. P. 1987. Soil survey of Nassau County, New York. USDA, Soil Conservation Service, in cooperation with Cornell Agric. Exp. Sta., Washington, D. C.

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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