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

PRISM: Long Island Invasive Species Management Area

<table>
<thead>
<tr>
<th>Scientific name:</th>
<th>Euphorbia esula</th>
<th>USDA Plants Code: EUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common names:</td>
<td>Leafy Spurge</td>
<td></td>
</tr>
<tr>
<td>Native Distribution:</td>
<td>Eurasia</td>
<td></td>
</tr>
<tr>
<td>Date Assessed:</td>
<td>March 10, 2009</td>
<td></td>
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<tr>
<td>PRISM Assessors:</td>
<td>Steve Glenn, Gerry Moore</td>
<td></td>
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<tr>
<td>PRISM Reviewers:</td>
<td>LIISMA SRC</td>
<td></td>
</tr>
<tr>
<td>Date Approved:</td>
<td>1 Apr. 2009</td>
<td></td>
</tr>
</tbody>
</table>

New York Relative Maximum score: 75.90 Date NY assessment approved: 1 Apr. 2009
New York State Invasive Rank: High

SUMMARY OF PRISM RANKING RESULTS:

Distribution: Restricted
Estimated number of infested sites: 2-3?
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: Restricted

Describe distribution:
Reported from 2 sites in Queens (1928) and Nassau (2001) Cos., and an unspecified site on Staten Island; but no specimens have been seen.
Sources of information:

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):

While not yet well established on Long Island or Staten Island; well established in Orange Co., NY. Also documented from Westchester and Putnam Cos., NY; and a few sites in northern New Jersey.

Sources of information:
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: Moderately likely

Very Likely: Use column A below
Moderately likely: Use column B below
Unlikely: Use column C below
Zero likelihood Invasive potential Insufficient
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.

<table>
<thead>
<tr>
<th>New York Relative Maximum Score</th>
<th>New York Invasiveness Rank</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 80.00</td>
<td>Very High</td>
<td>VH</td>
<td>H</td>
<td>M</td>
</tr>
<tr>
<td>70.00–80.00</td>
<td>High</td>
<td>H</td>
<td>M</td>
<td>L</td>
</tr>
<tr>
<td>50.00–69.99</td>
<td>Moderate</td>
<td>M</td>
<td>L</td>
<td>Ins</td>
</tr>
<tr>
<td>40.00–49.99</td>
<td>Low</td>
<td>L</td>
<td>Ins</td>
<td>Ins</td>
</tr>
<tr>
<td>&lt;40.00</td>
<td>Insignificant</td>
<td>Ins</td>
<td>Ins</td>
<td>Ins</td>
</tr>
</tbody>
</table>

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

References for species assessment:


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.
Acknowledgments: Valuable contributions by members of the Long Island Invasive Species Management Area’s Scientific Review Committee were incorporated in revisions of this form.