

# PRISM

New York Partnerships for Regional Invasive Species Management.

## NON-NATIVE PLANT INVASIVENESS RANKING FORM FOR NATURAL / MINIMALLY MANAGED AREAS

### PRISM: Adirondack Park Invasive Program

Scientific name: Euonymus alatus USDA Plants Code: EUAL13  
Common names: Winged burning bush  
Native Distribution: Asia  
Date Assessed: December 9 2105  
PRISM Assessors: Zachary Simek  
PRISM Reviewers: Brendan Quirion, Steve Young, Daniel Spada, Chris Zimmerman  
Date Approved: 4/7/2016 Form version date: 6 September 2012

New York Relative Maximum score: 81.25 Date NY assessment approved: 10/22/2008

New York State Invasive Rank: Very High  
(for natural areas)

### SUMMARY OF PRISM RANKING RESULTS:

Distribution: Common

Estimated number of infested sites: 10

PRISM Invasiveness Rank<sup>§</sup>: Very 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: Common

#### Describe distribution:

APIPP has not performed extensive surveys for winged burning bush in the PRISM. It is a very common ornamental planting and is frequently found around residential and commercial developments; however, there are few known infestations in natural areas. Some natural area invasions can be found in Elizabethtown and Lake George and are likely the result of seed dispersal by birds.

#### Sources of information:

Field observations by APIPP staff

<sup>§</sup>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):

Winged burning bush is already well established in residential areas of the PRISM from ornamental plantings. It is capable of long distance dispersal by birds who consume its fleshy berries. Some studies have suggested that passage of seeds through a bird's digestive track can actually increase germination rate. Given the distribution, spread vectors, and suitable habitat present in the PRISM winged burning bush will likely continue to expand into natural areas..

Sources of information:

Field observation by APIPP staff; Fryer 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:

Field observations by APIPP staff

Fryer, Janet L. 2009. *Euonymus alatus*. In: Fire Effects Information System, [Online]. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory (Producer). Available: <http://www.fs.fed.us/database/feis/> [2015, December 9].

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**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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