Species Dataform and Scoresheet for Ligustrum japonicum Thunb. (Japanese privet)

Ligustrum japonicum Thunb. (Japanese privet)				
Native range: Japan, Korea				
Date evaluated: March 31, 2009				
oices Response				
N				
the Southeastern U.S.,				
including South Carolina (Severe threat), Tennessee (Rank 2, Significant threat), and USFS				
Invasive.org 2009).				
Y				
N				
<u>.</u>				
Y				
003). However, Japanese				
privet has not naturalized in North Carolina to the extent that it has in more southern states.				
N				
5. Non-invasive cultivars Y/N N  Comments:				
Point Number of Points				
Assigned				
0				
<b>'</b>				
5				
1b. Impact on plant community structure     20     5       Comments: Commonly forms dense thickets and out-competes native species (Swearingen)				
et al. 2002). May escape cultivation, establish monospecific stands, and quickly degrade				
native communities (Munger 2003). Outcompetes native woody species (Munger 2003).				
0				
•				
0				
1				
5				
0				
03).				
13				
<b>2b. Long-distance dispersal potential</b> 1313Comments: Produces an abundance of fleshy berries that are consumed by birds (Gilman				
and Watson 1993).				
6				

and Watson 1993). Seeds may germinate where they fall (Gilman and Watson 1993).				
Propagated by seed or cuttings (Gilman and Watson				
and animal-dispersed seeds (Miller 2003). Plants pr	, 1	•		
seed, readily reseeds, and cuttings are easily rooted (Scheper 2005). Reproduces from root				
or stump sprouts (Munger 2003). Grows in full sun and partial shade, tolerant of a range of				
soil types, not salt-tolerant (Gilman and Watson 1993).				
2d. Range of communities	6	4		
Comments: Invades lowland and upland habitats in	southern forests, but	usually more		
prevalent in lowland areas (Miller 2003). Occurs in mesic habitats (Munger 2003). Natural				
communities of North Carolina (Shafale and Weakley 1990) = Low elevation mesic				
forests, low elevation dry and dry-mesic forest and	•			
2e. Similar habitats invaded elsewhere	6	2		
Comments: Grows in full sun and partial shade, tol-	erant of a range of so			
tolerant (Gilman and Watson 1993). May invade flo				
(Swearingen et al. 2002). Invades intermittent stream bed and mesic woodland habitats in				
Texas (Munger 2003). Natural communities of North Carolina (Shafale and Weakley 1990)				
= River floodplains				
Section 2. Subrank	40	25		
Section 3. Management Difficulty				
3a. Herbicidal control	5	3		
Comments: Glyphosate herbicides are effective treatment methods (Miller 2003). Imazapyr				
is effective when applied to cut stumps, and glypho				
break or soon after (Munger 2003).	sace is effective when	r approd at oud		
3b. Nonchemical control methods	2	1		
Comments: Small infestations may be mowed, but	stems should be cut b	pack at least once		
per growing season to control the spread of privet (Remaley 2003). Young seedlings may				
be hand-pulled (Remaley 2003). There are no known biological controls for privet				
(Remaley 2003).		r		
3c. Necessity of individual treatments	2	2		
Comments: Large stems should be cut and immediately treated with herbicide solution				
(Miller 2003).	•			
3d. Average distribution	2	1		
Comments: Single plants (shrub, hedge, or small tree) or thicket-forming (Miller 2003).				
3e. Likelihood for reestablishment	2	2		
Comments: Stems must be cut at least once each gr	owing season to prev	ent		
reestablishment (Remaley 2003). Japanese privet produces an abundance of seeds that are				
dispersed by birds, which allows the plant to naturalize over a wide area (Scheper 2005)				
and possibly become reestablished.				
3f. Accessibility of invaded areas	2	1		
Comments: Produces an abundance of fleshy berries that are consumed by birds (Gilman				
and Watson 1993). Seeds may germinate where they fall (Gilman and Watson 1993).				
	Shade tolerant (Miller 2003) and may spread to areas that are difficult to access.			
· · · · · · · · · · · · · · · · · · ·	as that are difficult to	access.		
· · · · · · · · · · · · · · · · · · ·	as that are difficult to  5	access.		
Shade tolerant (Miller 2003) and may spread to are	5	2		
<b>3f. Accessibility of invaded areas</b> Comments: Produces an abundance of fleshy berrie	es that are consumed	atson 1993).		

Section 3. Subrank	20	12		
Section 4. Benefits and Value				
4a. Estimated wholesale value	-7	-4		
Comments: The annual estimated wholesale value attributed to this species is \$14,609,800				
(Trueblood 2009).				
4b. Percentage of total sales	-5	-4		
Comments: Among the producers that sell this species, the highest percentage of total sales				
attributed to this species from any one grower is estimated to be 26-50% (Trueblood 2009).				
4d. Ecosystem services	-1	0		
Comments:				
4e. Wildlife habitat	-1	0		
Comments:				
4f. Cultural and social benefits	-1	0		
Comments:				
Section 4. Subrank	-15	-8		
Overall Score	100	34		

**Overall Recommendation**: Moderately weedy and recommended for use with specific guidance – These species have less than high ecological impact, distribution and invasive potential, and management difficulty in relation to economic value. These plants should not be grown in close proximity to natural areas that have communities similar to those where this plant has been found to naturalize or near natural areas that have sensitive or threatened plants and/or natural communities. (Overall Score: 34 - 66)

**Summary**: *Ligustrum japonicum* (Japanese privet) is moderately weedy in North Carolina and may be recommended for horticultural use with specific guidance by the North Carolina Nursery and Landscape Association. The ecological impacts of *L. japonicum* are largely unknown, but this species may escape cultivation and form dense thickets that degrade native communities. Japanese privet has not naturalized in North Carolina to the extent that it has in more southern states. There is great potential for the additional invasion of Japanese privet to natural areas due to the high potential for natural dispersal. The difficulty of managing *L. japonicum* is moderate considering the availability of control methods, but management may be costly considering the time and labor required to effectively treat stands of this species. *Ligustrum japonicum* is extremely economically valuable to the nursery industry.

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