

Assessment date 25 June 2015

<i>Jasminum laurifolium</i> or <i>Jasminum nitidum</i> North		Answer	Score
1.01	Is the species highly domesticated?	n	0
1.02	Has the species become naturalised where grown?		
1.03	Does the species have weedy races?		
2.01	Species suited to Florida's USDA climate zones (0-low; 1-intermediate; 2-high) North Zone: suited to Zones 8, 9 Central Zone: suited to Zones 9, 10 South Zone: suited to Zone 10	2	
2.02	Quality of climate match data (0-low; 1-intermediate; 2-high)	1	
2.03	Broad climate suitability (environmental versatility)	y	1
2.04	Native or naturalized in habitats with periodic inundation North Zone: mean annual precipitation 50-70 inches Central Zone: mean annual precipitation 40-60 inches South Zone: mean annual precipitation 40-60 inches	y	1
2.05	Does the species have a history of repeated introductions outside its natural range?	y	
3.01	Naturalized beyond native range	y	2
3.02	Garden/amenity/disturbance weed	y	2
3.03	Weed of agriculture	n	0
3.04	Environmental weed	n	0
3.05	Congeneric weed	y	2
4.01	Produces spines, thorns or burrs	n	0
4.02	Allelopathic	n	0
4.03	Parasitic	n	0
4.04	Unpalatable to grazing animals	y	1
4.05	Toxic to animals	n	0
4.06	Host for recognised pests and pathogens	unk	0
4.07	Causes allergies or is otherwise toxic to humans	unk	0
4.08	Creates a fire hazard in natural ecosystems	unk	0
4.09	Is a shade tolerant plant at some stage of its life cycle	unk	0
4.10	Grows on infertile soils (oligotrophic, limerock, or excessively draining soils). North & Central Zones: infertile soils; South Zone: shallow limerock or Histisols.		
4.11	Climbing or smothering growth habit	y	1
4.12	Forms dense thickets		
5.01	Aquatic	n	0
5.02	Grass	n	0
5.03	Nitrogen fixing woody plant	n	0
5.04	Geophyte	n	0
6.01	Evidence of substantial reproductive failure in native habitat	n	0
6.02	Produces viable seed	y	1

6.03	Hybridizes naturally	unk	-1
6.04	Self-compatible or apomictic		
6.05	Requires specialist pollinators	unk	0
6.06	Reproduction by vegetative propagation	?	
6.07	Minimum generative time (years)		
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)		
7.02	Propagules dispersed intentionally by people	y	1
7.03	Propagules likely to disperse as a produce contaminant	n	-1
7.04	Propagules adapted to wind dispersal		
7.05	Propagules water dispersed		
7.06	Propagules bird dispersed		
7.07	Propagules dispersed by other animals (externally)	n	-1
7.08	Propagules dispersed by other animals (internally)		
8.01	Prolific seed production		
8.02	Evidence that a persistent propagule bank is formed (>1 yr)	?	
8.03	Well controlled by herbicides	unk	1
8.04	Tolerates, or benefits from, mutilation or cultivation	unk	-1
8.05		?	
<b>Total Score</b>		<b>9</b>	
<b>Implemented Pacific Second Screening</b>		<b>no</b>	
<b>Risk Assessment Results</b>		<b>High</b>	

section	# questions answered	satisfy minimum?
A		11 yes
B		6 yes
C		9 yes
total		26 yes

Assessment date 25 June 2015

<b><i>Jasminum laurifolium</i> or <i>Jasminum nitidum</i> Central South</b>		<b>Answer</b>	<b>Score</b>
1.01	Is the species highly domesticated?	n	0
1.02	Has the species become naturalised where grown?		
1.03	Does the species have weedy races?		
2.01	Species suited to Florida's USDA climate zones (0-low; 1-intermediate; 2-high) North Zone: suited to Zones 8, 9 Central Zone: suited to Zones 9, 10 South Zone: suited to Zone 10	2	
2.02	Quality of climate match data (0-low; 1-intermediate; 2-high)	2	
2.03	Broad climate suitability (environmental versatility)	y	1
2.04	Native or naturalized in habitats with periodic inundation North Zone: mean annual precipitation 50-70 inches Central Zone: mean annual precipitation 40-60 inches South Zone: mean annual precipitation 40-60 inches	y	1
2.05	Does the species have a history of repeated introductions outside its natural range?	y	
3.01	Naturalized beyond native range	y	2
3.02	Garden/amenity/disturbance weed	y	2
3.03	Weed of agriculture	n	0
3.04	Environmental weed	n	0
3.05	Congeneric weed	y	2
4.01	Produces spines, thorns or burrs	n	0
4.02	Allelopathic	n	0
4.03	Parasitic	n	0
4.04	Unpalatable to grazing animals	y	1
4.05	Toxic to animals	n	0
4.06	Host for recognised pests and pathogens	unk	0
4.07	Causes allergies or is otherwise toxic to humans	unk	0
4.08	Creates a fire hazard in natural ecosystems	unk	0
4.09	Is a shade tolerant plant at some stage of its life cycle	unk	0
4.10	Grows on infertile soils (oligotrophic, limerock, or excessively draining soils). North & Central Zones: infertile soils; South Zone: shallow limerock or Histisols.		
4.11	Climbing or smothering growth habit	y	1
4.12	Forms dense thickets		
5.01	Aquatic	n	0
5.02	Grass	n	0
5.03	Nitrogen fixing woody plant	n	0
5.04	Geophyte	n	0
6.01	Evidence of substantial reproductive failure in native habitat	n	0
6.02	Produces viable seed	y	1

6.03	Hybridizes naturally	unk	-1
6.04	Self-compatible or apomictic		
6.05	Requires specialist pollinators	unk	0
6.06	Reproduction by vegetative propagation	?	
6.07	Minimum generative time (years)		
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked areas)		
7.02	Propagules dispersed intentionally by people	y	1
7.03	Propagules likely to disperse as a produce contaminant	n	-1
7.04	Propagules adapted to wind dispersal		
7.05	Propagules water dispersed		
7.06	Propagules bird dispersed		
7.07	Propagules dispersed by other animals (externally)	n	-1
7.08	Propagules dispersed by other animals (internally)		
8.01	Prolific seed production		
8.02	Evidence that a persistent propagule bank is formed (>1 yr)	?	
8.03	Well controlled by herbicides	unk	1
8.04	Tolerates, or benefits from, mutilation or cultivation	unk	-1
8.05		?	
<b>Total Score</b>			<b>9</b>
<b>Implemented Pacific Second Screening</b>			<b>no</b>
<b>Risk Assessment Results</b>			<b>High</b>

section	# questions answered	satisfy minimum?
A		11 yes
B		6 yes
C		9 yes
total		26 yes

	Reference	Source data
1.01		Cultivated but no evidence of selection for reduced weediness.
1.02		Skip to question 2.01
1.03		Skip to question 2.01
2.01	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. <a href="http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist">http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist</a> (Accessed: 23 June 2015) 2. Phytoneuron. <a href="http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf">http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf</a> (Accessed: 23 June 2015) 3. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 23 June 2015) 4. Global Biodiversity Information Facility. <a href="http://www.gbif.org/species/6433133">http://www.gbif.org/species/6433133</a> (Accessed: 23 June 2015) 5. PERAL NAPPFAST Global Plant Hardiness. <a href="http://www.nappfast.org/Plant_hardiness/2012/PHZ%20update201230%20yr%20%20300dpi.tif">http://www.nappfast.org/Plant_hardiness/2012/PHZ%20update201230%20yr%20%20300dpi.tif</a> (Accessed: 23 June 2015)	No computer analysis was performed. 1. Reported origin is tropical Asia. Reported as naturalized and cultivated in the tropics. 2. Reported as naturalized in Texas, USA. 3. Listed as USDA Hardiness Zones 9, 10, and 11. 4. See global distribution map. 5. Florida North Zone: Hardiness zones 8 and 9. Central Zone: Hardiness zones 9 and 10. South Zone: Hardiness zone 10.
2.02		No computer analysis was performed. Native range is well known. Hardiness zone 8 only accounts for part of the North Zone. Refer to 2.01 source data.
2.03	1. The University of Melbourne. Köppen-Geiger Climate Map of the World. <a href="http://people.eng.unimelb.edu.au/mpeel/koppen.html">http://people.eng.unimelb.edu.au/mpeel/koppen.html</a> (Accessed: 23 June 2015) 2. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. <a href="http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist">http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist</a> (Accessed: 23 June 2015) 3. Phytoneuron. <a href="http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf">http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf</a> (Accessed: 23 June 2015) 4. Global Biodiversity Information Facility. <a href="http://www.gbif.org/species/6433133">http://www.gbif.org/species/6433133</a> (Accessed: 23 June 2015)	1. Present in the following Köppen-Geiger Climate zones: Af, Am, Aw, Cwa, Cfa 2. Reported origin is tropical Asia. Reported as naturalized and cultivated in the tropics. 3. Reported as naturalized in Texas, USA. 4. See global distribution map
2.04	1. Climate Charts. World Climate Maps. <a href="http://www.climate-charts.com/World-Climates-Maps.html#rain">http://www.climate-charts.com/World-Climates-Maps.html#rain</a> (Accessed: 23 June 2015)	1. Native to areas with rainfall in this range.
2.05	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. <a href="http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist">http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist</a> (Accessed: 24 June 2015) 2. Phytoneuron. <a href="http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf">http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf</a> (Accessed: 24 June 2015)	1. Reported as naturalized and cultivated in the tropics. 2. Reported as naturalized in Texas, USA.
3.01	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. <a href="http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist">http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?427076#dist</a> (Accessed: 24 June 2015) 2. Phytoneuron. <a href="http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf">http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf</a> (Accessed: 24 June 2015)	1. Reported as naturalized and cultivated in the tropics. 2. Reported as naturalized in Texas, USA.

3.02	1. Global Compendium of Weeds, Hawaiian Ecosystem at Risk, Department of Agriculture and Food, Australia. <a href="http://www.hear.org/gcw/species/jasminum_nitidum/">http://www.hear.org/gcw/species/jasminum_nitidum/</a> (Accessed: 24 June 2015)	1. Reported as weed, naturalized. Type of weed is not specified.
3.03		No evidence of crop yield loss.
3.04		No evidence of altered composition, structure, or normal processes or function of a natural ecosystem.
3.05	1. Global Compendium of Weeds, Hawaiian Ecosystem at Risk, Department of Agriculture and Food, Australia. <a href="http://www.hear.org/gcw/scientificnames/scinamej.htm">http://www.hear.org/gcw/scientificnames/scinamej.htm</a> (Accessed: 24 June 2015)	1. Jasminum bifarium listed as agricultural weed, Jasminum dichotomum listed as environmental weed and noxious weed, Jasminum fluminense listed as environmental weed and noxious weed, Jasminum mesnyi listed as environmental weed, Jasminum multiflorum listed as environmental weed, Jasminum multipartitum listed as agricultural weed, Jasminum sambac listed as environmental weed
4.01	1. Floridata. <a href="http://mobile.floridata.com/Plants/Oleaceae/Jasminum%20nitidum/186#&amp;ui-state=dialog">http://mobile.floridata.com/Plants/Oleaceae/Jasminum%20nitidum/186#&amp;ui-state=dialog</a> (Accessed: 24 June 2015) 2. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015) 3. Phytoneuron. <a href="http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf">http://www.phytoneuron.net/2015Phytoneuron/36PhytoN-Jasminumlaurifolium.pdf</a> (Accessed: 24 June 2015)	1,2,&3. These characteristics are not listed in the description of the species.
4.02		No evidence
4.03		No evidence
4.04	1. Journal of Science and Technology. <a href="http://www.sustech.edu/staff_publications/20131112142637518.pdf">http://www.sustech.edu/staff_publications/20131112142637518.pdf</a> (Accessed: 24 June 2015)	1. Lists Jasminum nitidum amongst the species of unpalatable plants. No evidence found of grazing animals consuming Jasminum laurifolium/Jasminum nitidum.
4.05	1. American Society for the Prevention of Cruelty to Animals. <a href="https://www.asPCA.org/pet-care/animal-poison-control/toxic-and-non-toxic-plants/confederate-jasmine">https://www.asPCA.org/pet-care/animal-poison-control/toxic-and-non-toxic-plants/confederate-jasmine</a> (Accessed: 24 June 2015)	1. Listed as non-toxic to horses, dogs, and cats.
4.06		No evidence that the plant is a significant primary or alternate host
4.07		No evidence
4.08	1. City of Glendora, California. <a href="http://www.ci.glendora.ca.us/home/showdocument?id=9266">http://www.ci.glendora.ca.us/home/showdocument?id=9266</a> (Accessed: 24 June 2015)	1. Jasmine is listed as a chaparral-type plant that serves as fuel for fires. However, these conclusions are not specific to the species and more evidence is needed to answer the question.
4.09	1. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015)	1. Sun exposure: Full sun to partial shade
4.10	1. HGTV. <a href="http://www.hgtvgardens.com/flowers-and-plants/shining-jasmine-jasminum-nitidum">http://www.hgtvgardens.com/flowers-and-plants/shining-jasmine-jasminum-nitidum</a> (Accessed: 24 June 2015)	Not enough information is available. 1. "Soil Condition: Acidic, Alkaline, Clay, Loamy, Neutral, Sandy, Slightly Alkaline, Well Drained"
4.11	1. Weslor Flowers Plant Nursery. <a href="http://www.weslorflowers.com/documents/Climber%20info.pdf">http://www.weslorflowers.com/documents/Climber%20info.pdf</a> (Accessed: 24 June 2015) 2. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015)	1. "Jasminum nitidum- a scrambling semi-climber to 3 meters high" 2. Categorized within Vines and Climbers; criteria states to assume a vine or vining shrub has the potential to smother unless negative evidence from the naturalized range is present. No negative evidence was found.
4.12		No evidence
5.01		No positive evidence
5.02	1. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015)	1. Family- Olaceae

5.03	1. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015)	1. Family- Olaceae
5.04		No evidence of specialized organs
6.01		No evidence found of substantial reproductive failure
6.02	1. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015) 2. National Parks Flora & Fauna Web, Singapore Government. <a href="https://florafaunaweb.nparks.gov.sg/special-pages/plant-detail.aspx?id=1437">https://florafaunaweb.nparks.gov.sg/special-pages/plant-detail.aspx?id=1437</a> (Accessed: 24 June 2015)	1. "Propogation Methods: From seed; sow indoors before last frost" 2. "Plant Divisions: Angiosperms (Floweing Seed Plants)"
6.03		evidence of horitcultural hybrids in genus found online in nursery trade
6.04		No evidence
6.05		No evidence
6.06	1. Dave's Garden. <a href="http://davesgarden.com/guides/pf/go/1198/#b">http://davesgarden.com/guides/pf/go/1198/#b</a> (Accessed: 24 June 2015) 2. National Parks Flora & Fauna Web, Singapore Government. <a href="https://florafaunaweb.nparks.gov.sg/special-pages/plant-detail.aspx?id=1437">https://florafaunaweb.nparks.gov.sg/special-pages/plant-detail.aspx?id=1437</a> (Accessed: 24 June 2015)	1. Propogation from simple layering is possible, but there is no documented evidence of this process (or any other process of the plant increasing its numbers by vegetative means) occuring naturally
6.07		No evidence
7.01		No evidence
7.02	1. Vincent Gardens. <a href="http://vincentgardens.com/Jasminum-nitidum-Angelwing-Jasmine-Star-Jasmine-P2791925.aspx">http://vincentgardens.com/Jasminum-nitidum-Angelwing-Jasmine-Star-Jasmine-P2791925.aspx</a> (Accessed: 24 June 2015) 2. Almost Eden. <a href="http://almostedenplants.com/shopping/products/9030-Angel-Wing-Jasmine-Shining-Jasmine-Star-Jasmine/">http://almostedenplants.com/shopping/products/9030-Angel-Wing-Jasmine-Shining-Jasmine-Star-Jasmine/</a> (Accessed: 24 June 2015)	1. Species available for purchase online. Described as "A sweetly fragrant, night blooming, evergreen shrub or semi-evergreen vine with snow white, pinwheel, star shaped flowers" 2. Species available for purchase online
7.03		Lack of positive evidence
7.04		little information about the seeds is available
7.05		No evidence
7.06		No evidence
7.07		No evidence, but no clear mechanism of attachment is present
7.08		No evidence
8.01		No evidence
8.02		No evidence
8.03		Information poorly documented
8.04		No evidence
8.05		No evidence of natural enemies known to substantially reduce growth and reproduction