



***Plant Risk Evaluator -- PRE<sup>TM</sup>  
Evaluation Report***

***Paulownia tomentosa -- Washington***

*2022 Western IPM Grant Project*

**PRE Score:** 15 -- Moderate Potential Risk

**Confidence:** 75 / 100

**Questions answered:** 20 of 20 -- Valid (80% or more questions answered)

**Privacy:** Public

**Status:** Completed

**Evaluation Date:** August 7, 2022

*This PDF was created on May 23, 2025*

*This project was funded in part by the USDA National Institute of Food and Agriculture through the Western Integrated Pest Management Center, grant number 2018-70006-28881.*



## Plant Evaluated

*Paulownia tomentosa*



Image by Jean-Pol GRANDMONT



## Evaluation Overview

A PRE™ screener conducted a literature review for this plant (*Paulownia tomentosa*) in an effort to understand the invasive history, reproductive strategies, and the impact, if any, on the region's native plants and animals. This research reflects the data available at the time this evaluation was conducted.

## Summary

*Paulownia tomentosa* is a fast-growing deciduous tree to 70 ft. Native to central and western China, the species was introduced to Europe prior to 1850 and soon after to North America where it has been planted widely as an ornamental. More recently developing markets for *P. tomentosa* timber products and the species' use in mine reclamation have contributed to its spread. *P. tomentosa*'s showy, fragrant flowers appear before the leaves in spring. A single mature tree can produce millions of viable seeds, which generally remain in capsules on the tree until being released in the fall when the tiny, winged seeds are dispersed on the wind for distances up to several miles. Seedling establishment is strongly linked to disturbance such as wildfire or flooding. *P. tomentosa* is intolerant of shade, which limits its long-term viability in closed-canopy forest systems; however, the species has been shown to persist in perpetually open and/or disturbed sites such as roadsides and railroad rights-of-way, ridgelines, rocky soils, and riparian areas. *P. tomentosa* has escaped cultivation in most of the eastern and midwestern United States and uncultivated establishment has been reported in the Pacific Northwest from Multnomah County, OR, to King County, WA. Given its reproductive and ecological characteristics, *Paulownia tomentosa* appears to represent an incipient invasive threat in the habitats and community types described above.

## General Information

**Status:** Completed

**Screener:** Jim Evans

**Evaluation Date:** August 7, 2022

## Plant Information

**Plant:** *Paulownia tomentosa*

## Regional Information

**Region Name:** Washington



## **Climate Matching Map**

To answer four of the PRE questions for a regional evaluation, a climate map with three climate data layers (Precipitation, UN EcoZones, and Plant Hardiness) is needed. These maps were built using a toolkit created in collaboration with GreenInfo Network, USDA, PlantRight, California Invasive Plant Council, and The Information Center for the Environment at UC Davis.

Click [here](#) to see the generated climate matching map for this region. This climate match database is hosted by GreenInfo Network and publicly accessible.



## Evaluation Questions

These questions are based on an article published by PLOS One, which can be found here:

<https://doi.org/10.1371/journal.pone.0121053>.

### Invasive History and Climate Matching (Questions 1 - 6)

#### 1. Has the species (or cultivar or variety, if applicable; applies to subsequent "species" questions) become naturalized where it is not native?

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

#### Answer / Justification:

*P. tomentosa* is native to central and western China. Many sources document reproduction outside of cultivation in Europe and in eastern North America (Essl 2007, USDA Plants Database, Innes 2009). In the Pacific Northwest the species has been documented as adventive in 10 locations from Multnomah and Yamhill Counties, OR, to King County, WA (WTU 2022).

#### Reference(s):

- Essl, F. (2007). From ornamental to detrimental? The incipient invasion of Central Europe by *Paulownia tomentosa*. *Preslia* 79: 377–389. 79, 377–389.
- Innes, R. J. (2009). *Paulownia tomentosa*.
- USDA Plants Database (0). *Paulownia tomentosa* (Thunb.) Sieb. & Zucc. ex Steud. .
- WTU herbarium database (2022). *Paulownia tomentosa* (Thunb.) Sieb. & Zucc. ex Steud. . 2022,

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#### 2. Is the species (or cultivar or variety) noted as being naturalized in the US or world in a similar climate?

- Answer: **Yes**, which contributes **2** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.



**Answer / Justification:**

The PlantRight climate match tool indicates that *P. tomentosa*'s distribution in western Oregon and in the Appalachian Mountains from New England to Alabama, and most of the species' distribution in Europe is a match with the climate of Washington.

**Reference(s):**

- [Anonymous] (0). PlantRight.
- 

**3. Is the species (or cultivar or variety) noted as being invasive in the U.S. or world?**

- Answer: **Yes**, which contributes **2** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

**Answer / Justification:**

*P. tomentosa* is recognized as an invader across many of the mid-Atlantic and midwestern states of the U.S. (Kuppinger 2010, Rebbeck 2012).

**Reference(s):**

- Chongpinitchai, A., & Williams R. (2021). The response of the invasive princess tree (*Paulownia tomentosa*) to wildland fire and other disturbances in an Appalachian hardwood forest.. *Global Ecology and Conservation*. 29,
  - Swearingen, J., Slattery B., Reshetiloff K., & Zwicker S. (2010). Plant Invaders of Mid-Atlantic Natural Areas. 168.
  - Kuppinger, D., Jenkins M., & White P. (2010). Predicting the post-fire establishment and persistence of an invasive tree species across a complex landscape. *Biological Invasions*. 12, 3473–3484.
  - Rebbeck, J. (2012). Fire management and woody invasive plants in oak ecosystems. *Proceedings of the 4th Fire in Eastern Oak Forests Conference*. 142-155.
-



#### 4. Is the species (or cultivar or variety) noted as being invasive in the US or world in a similar climate?

- Answer: **Yes**, which contributes **3** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

##### Answer / Justification:

The PlantRight climate match tool indicates that *P. tomentosa*'s distribution in the Appalachian Mountains from New England to Alabama, and most of the species distribution in Europe is a match with the climate of Washington. *P. tomentosa* is invasive in several Appalachian states. In Tennessee, where *P. tomentosa* competes with native plants on rocky cliffs and in scoured riparian zones, the species is listed as an 'Established Threat' in natural areas. In Connecticut the species is "prohibited from importation, movement, sale, purchase, transplanting, cultivation and distribution."

##### Reference(s):

- [Anonymous] (0). PlantRight.
  - Tennessee Invasive Plants Council (2022). TN-IPC Invasive Plant Lists..
  - Connecticut Invasive Plant Council (2018). Connecticut Invasive Plant List.
- 

#### 5. Are other species of the same genus (or closely related genera) invasive in a similar climate?

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

##### Answer / Justification:

*P. tomentosa* belongs to the monogeneric family Paulowniaceae. Neither the Flora of North America nor the Invasive Plant Atlas lists any other Paulownia species in North America. None of the other literature reviewed for this report suggested that there was another invasive Paulownia species elsewhere.

##### Reference(s):

- Freeman, C., Rabeler R., & Elisens W. (2018). Paulowniaceae. 2011,
- The University of Georgia Center for Invasive Species and Ecosystem Health (2017). princessree, Paulownia tomentosa N/A Scrophulariales: Scrophulariaceae.



**6. Is the species (or cultivar or variety) found predominately in a climate matching the region of concern?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

**Answer / Justification:**

Extensive portions of *P. tomentosa*'s introduced range along the eastern seaboard and midwestern U.S, in the Mediterranean and Black Sea regions, and the species' native range do not match Washington's climate.

**Reference(s):**

- [Anonymous] (0). PlantRight.
- 

**Impact on Native Plants and Animals (Questions 7 - 10)**

**7. Does this plant displace native plants and dominate (overtop or smother) the plant community in areas where it has established?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

**Answer / Justification:**

The species has the capacity to compete with and replace native species in communities that are naturally open, such as open woodlands, ridgelines, rocky soils, and streambanks (Williams 1993)





**Reference(s):**

- Kuppinger, D., Jenkins M., & White P. (2010). Predicting the post-fire establishment and persistence of an invasive tree species across a complex landscape. *Biological Invasions*. 12, 3473–3484.
  - Williams, C. (1993). Age structure and importance of naturalized *Paulownia tomentosa* in a central Virginia streamside forest. *Castanea*. 58, 243-249.
- 

**8. Is the plant noted as promoting fire and/or changing fire regimes?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

**Answer / Justification:**

While *P. tomentosa* responds positively to fire, its wood is light, porous, and of low combustibility

**Reference(s):**

- Innes, R. J. (2009). *Paulownia tomentosa*.
- 

**9. Is the plant a health risk to humans or animals/fish? Has the species been noted as impacting grazing systems?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Low** confidence in this answer based on the available literature.

**Answer / Justification:**

Rationale: None of the considerable amount of literature available on *P. tomentosa* suggests that it presents any health risk to humans or animals.

**Reference(s):**

- [Anonymous] .



**10. Does the plant produce impenetrable thickets, blocking or slowing movement of animals, livestock, or humans?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Low** confidence in this answer based on the available literature.

**Answer / Justification:**

None of the considerable amount of literature available on *P. tomentosa* suggests that that it forms thickets or in any way impedes movement.

**Reference(s):**

- [Anonymous] .
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**Reproductive Strategies (Questions 11 - 17)**

**11. Does this species (or cultivar or variety) reproduce and spread vegetatively?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

**Answer / Justification:**

*P. tomentosa* sprouts prolifically from adventitious buds on lateral roots. Vertical stems from lateral roots can grow as much as 15 feet in their first season.

**Reference(s):**

- Chongpinitchai, A., & Williams R. (2021). The response of the invasive princess tree (*Paulownia tomentosa*) to wildland fire and other disturbances in an Appalachian hardwood forest.. *Global Ecology and Conservation*. 29,
- Swearingen, J., Slattery B., Reshetiloff K., & Zwicker S. (2010). *Plant Invaders of Mid-Atlantic Natural Areas*. 168.
- Innes, R. J. (2009). *Paulownia tomentosa*.



**12. If naturally detached fragments from this plant are capable of producing new plants, is this a common method of reproduction for the plant?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Low** confidence in this answer based on the available literature.

**Answer / Justification:**

None of the available literature mention this as an important avenue of spread for *P. tomentosa*.

**Reference(s):**

- [Anonymous] .
- 

**13. Does the species (or cultivar or variety) commonly produce viable seed?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **Very High** confidence in this answer based on the available literature.

**Answer / Justification:**

Laboratory studies have found germination rates in *P. tomentosa* seeds as high as 98%. Rates varied depending on treatment (pH, stratification, storage conditions) but were generally highest in treatments that most closely resembled average field conditions.

**Reference(s):**

- Kuppinger, D., White P., & Jenkins M. (2006). Predicting the invasion and survival of the exotic species *Paulownia tomentosa* following burning in pine and oak-pine forests.
  - Turner, G., Lau R., & Young D. (1988). Effect of Acidity on Germination and Seedling Growth of *Paulownia tomentosa*. *Journal of Applied Ecology*. 25, 561-567.
  - Carpenter, S., & Smith N. (1979). Germination of *Paulownia* Seeds after Stratification and Dry Storage. *Tree Planters Notes*. 30(4), 4-6.
  - Longbrake, A. (2001). Ecology and invasive potential of *Paulownia tomentosa* (Scrophulariaceae) in a hardwood forest landscape. College of Arts and Sciences. Ph.D, 174.
-



**14. Does this plant produce copious viable seeds each year (> 1000)?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

**Answer / Justification:**

A single capsule may contain more than 2,000 seeds (Bonner 2008); a large tree may produce millions of seeds annually.

**Reference(s):**

- Bonner, F. (2008). *Paulownia tomentosa* (Thunb.) Siev. & Zucc. ex Steud.; royal paulownia. Woody Plant Seed Manual. 772-773.
- 

**15. Is there significant germination (>25%) of seeds the next growing season, with no requirement of an infrequent environmental condition for seeds to germinate (i.e. fire) or long dormancy period?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

**Answer / Justification:**

Observation of *P. tomentosa* establishing in undisturbed sites is rare. In most environments *P. tomentosa* requires fire or another large-scale disturbance to provide enough light to stimulate germination and facilitate establishment. (Longbrake 2001, Kuppinger et al. 2010). Given the high rates of germination in laboratory studies (up to 98%; Carpenter & Smith 1979, Turner et al 1988, and others) and the enormous quantity of seeds produced by mature individuals, seed germination would not be expected to be limiting given suitable conditions (i.e., sunny w/ bare soil; Longbrake 2001, Kuppinger et al. 2010).



**Reference(s):**

- Kuppinger, D., Jenkins M., & White P. (2010). Predicting the post-fire establishment and persistence of an invasive tree species across a complex landscape. *Biological Invasions*. 12, 3473–3484.
  - Turner, G., Lau R., & Young D. (1988). Effect of Acidity on Germination and Seedling Growth of *Paulownia tomentosa*. *Journal of Applied Ecology*. 25, 561-567.
  - Carpenter, S., & Smith N. (1979). Germination of *Paulownia* Seeds after Stratification and Dry Storage. *Tree Planters Notes*. 30(4), 4-6.
  - Longbrake, A. (2001). Ecology and invasive potential of *Paulownia tomentosa* (Scrophulariaceae) in a hardwood forest landscape. College of Arts and Sciences. Ph.D, 174.
- 

**16. Does this plant produce viable seed within the first three years (for an herbaceous species) to five years (for a woody species) after germination?**

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.

**Answer / Justification:**

Rebbeck (2012) reports seed production in *P. tomentosa* within 3-5 years.

**Reference(s):**

- Rebbeck, J. (2012). Fire management and woody invasive plants in oak ecosystems. *Proceedings of the 4th Fire in Eastern Oak Forests Conference*. 142-155.
- 

**17. Does this plant continuously produce seed for >3 months each year or does seed production occur more than once a year?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Medium** confidence in this answer based on the available literature.



**Answer / Justification:**

Flora of North America identifies the flowering period of *P. tomentosa* as lasting just three months, April-June, from which, in the absence of more specific information, it is inferred that seed production also lasts that long.

**Reference(s):**

- Freeman, C. (2020). *Paulownia tomentosa* (Thunberg) Steudel.. 2022,
- 

## Dispersal (Questions 18 - 20)

### 18. Are the plant's propagules frequently dispersed long distance (>100 m) by mammals or birds or via domestic animals?

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeners* has a **Low** confidence in this answer based on the available literature.

**Answer / Justification:**

None of the available literature suggests that animals are an important vector for *P. tomentosa* seed dispersal.

**Reference(s):**

- [Anonymous] .
- 

### 19. Are the plant's propagules frequently dispersed long distance (>100 m) by wind or water?

- Answer: **Yes**, which contributes **1** point(s) to the total PRE score.
- The *screeners* has a **High** confidence in this answer based on the available literature.



**Answer / Justification:**

*P. tomentosa* has light (6200 seed/g) winged seeds adapted for wind dispersal (Bonner 2008). Seeds disperse up to 3.7 km from the parent plant (Kuppinger et al. 2006).

**Reference(s):**

- Bonner, F. (2008). *Paulownia tomentosa* (Thunb.) Siev. & Zucc. ex Steud.; royal paulownia. Woody Plant Seed Manual. 772-773.
  - Kuppinger, D., White P., & Jenkins M. (2006). Predicting the invasion and survival of the exotic species *Paulownia tomentosa* following burning in pine and oak-pine forests.
- 

**20. Are the plant's propagules frequently dispersed via contaminated seed (agriculture or wildflower packets), equipment, vehicles, boats or clothing/shoes?**

- Answer: **No**, which contributes **0** point(s) to the total PRE score.
- The *screeener* has a **Low** confidence in this answer based on the available literature.

**Answer / Justification:**

None of the available literature suggests that these vectors are important for *P. tomentosa* seed dispersal.

**Reference(s):**

- [Anonymous] .
- 

**Total PRE Score**

**PRE Score:** 15 -- Moderate Potential Risk

**Confidence:** 75 / 100

**Questions answered:** 20 of 20 -- Valid (80% or more questions answered)



## PRE Score Legend

The PRE Score is calculated by adding the point totals for each (answered) question.

< 13 : Low Potential Risk

13 - 15 : Moderate Potential Risk

> 15 : High Potential Risk

## Questions Answered Legend

It is important to answer at least 16 questions to consider a PRE Score as "valid".

>= 16 : valid (80% or more questions answered)

<= 15 : invalid (not enough questions answered)

## Organization Ownership and Content Privacy

**Organization:** 2022 Western IPM Grant Project

**Content Privacy:** Public





## Evaluation Reviewers

The PRE approach is to base decisions on science and make decisions by consensus of diverse horticultural stakeholders. The literature review and process of answering PRE's questions are based on science; the decisions of which plants to prioritize are based on consensus. To ensure this process is in place and that PRE is collaborative, volunteer stakeholders are recruited from each region to review evaluations. The following experts in their profession (plant science, conservation, or horticultural trade) have participated as volunteer PRE reviewers for this evaluation:

- |                 |                   |
|-----------------|-------------------|
| • Alex Simmons  | September 2, 2022 |
| • Jutta Burger  | September 2, 2022 |
| • Wendy Descamp | August 31, 2022   |

This evaluation has a total of 3 reviewer(s).



## Evaluation Issues

The following section lists all public issues for this evaluation. Issues provide a way for stakeholder reviewers to communicate any concerns or suggestions they might have with the plant or evaluation. Please email [info@plantright.org](mailto:info@plantright.org) if additional action is required to resolve open issues.

### Issue ID # 8108

**Date Created:** September 2, 2022 - 5:21pm

**Date Updated:** September 13, 2022 - 1:06pm

**Submitted by:** Alex Simmons

**Status:** Fixed

**Type:** Comment

**Severity:** Minor

**Scope:** Evaluation as a whole

### Issue Description

Strong references are used and marked "high" (such as in Q5)-- can probably raise confidence to Very High where peer reviewed journals are used. -Alex Simmons

### Issue Resolution (Screener's Response to Issue)

I changed the confidence level for Q. 11 to Very High -- it might have just been my oversight to rank that CL lower. I also changed the CL for # 5 as suggested, although I'm less sure why this CL should not be just High. I've been using the guidelines for CL in the Screener's Guide, which states for Very High: "Highly credible evidence; reviewed scientific publications," thinking this definition meant that highly credible evidence was *limited* to peer-reviewed publications. Perhaps I should be considering other highly regarded sources in this definition as well, even if not strictly peer-reviewed?

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### Issue ID # 8100

**Date Created:** September 2, 2022 - 1:38pm

**Date Updated:** September 13, 2022 - 3:06pm



**Submitted by:** Jutta Burger

**Status:** Fixed

**Type:** Suggestion

**Severity:** Minor

**Scope:** Evaluation as a whole

### Issue Description

Your evaluations look really good. Consider also consulting the various robust websites that have also consolidated information about invasive plant listing status across regions. The list of those websites is in the Help menu. Great ones to always check are Global Invasive Species Database, EddMaps, plants.usda.gov, CABI. - Jutta

### Issue Resolution (Screener's Response to Issue)

Revisited links references in PLANTS Database and Invasives.org to refine narrative about where *P. tomentosa* is invasive. Will take note of other suggested references in future.

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## Issue ID # 8099

**Date Created:** September 2, 2022 - 1:33pm

**Date Updated:** September 13, 2022 - 12:16pm

**Submitted by:** Jutta Burger

**Status:** Fixed

**Type:** Suggestion

**Severity:** Major

**Scope:** Q17. Does this plant continuously produce seed for >3 months each year or does seed production occur more than once a year?

### Issue Description

Since there is no evidence that *Paulownia* flowers / produces seeds for >3 months, consider answering "no" to this question. - Jutta Burger

### Issue Resolution (Screener's Response to Issue)

Changed answer to 'No' per suggestion, and changed narrative to say the species flowers *just* three



months.'

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## Issue ID # 8098

**Date Created:** September 2, 2022 - 1:26pm

**Date Updated:** September 13, 2022 - 2:59pm

**Submitted by:** Jutta Burger

**Status:** Fixed

**Type:** Suggestion

**Severity:** Minor

**Scope:** Q04. Is the species (or cultivar or variety) noted as being invasive in the US or world in a similar climate?

## Issue Description

Because *Paulownia tomentosa* does not appear to be formally listed across much of the US. I would make that clear in the justification and not count those references as evidence. Seems that the jury is still out for this species in many areas. According to <https://plants.usda.gov/home/plantProfile?symbol=PATO2>, It is listed in CT as "potentially invasive" and as such is prohibited. It also appears to be listed as invasive in Queensland <http://www.iucngisd.org/gisd/speciesname/Paulownia+tomentosa#> and and by the SE Exotic Pest Plant Council. Make sure these areas match WA climate. - Jutta Burger

## Issue Resolution (Screener's Response to Issue)

Changed the narrative for Q. 4 to "The PlantRight climate match tool indicates that *P. tomentosa*'s distribution in the Appalachian Mountains from New England to Alabama, and most of the species distribution in Europe is a match with the climate of Washington. *P. tomentosa* is invasive in several Appalachian states. In Tennessee, where *P. tomentosa* competes with native plants on rocky cliffs and in scoured riparian zones, the species is listed as an 'Established Threat' in natural areas. In Connecticut the species is "prohibited from importation, movement, sale, purchase, transplanting, cultivation and distribution," and added references to Tennessee-IPC and Connecticut-IPC

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## Issue ID # 8074

**Date Created:** August 31, 2022 - 2:53pm

**Date Updated:** September 13, 2022 - 12:21pm

**Submitted by:** Wendy Descamp

**Status:** Fixed

**Type:** Suggestion

**Severity:** Minor

**Scope:** Q09. Is the plant a health risk to humans or animals/fish? Has the species been noted as impacting grazing systems?

### Issue Description

Hi Jim, Should the Rationale sentence be edited to just be: None of the considerable amount of literature available on *P. tomentosa* suggests that that it presents any health risk to humans or animals. So, remove the 'thickets' as that is used in the next (#10) answer?

### Issue Resolution (Screener's Response to Issue)

The inclusion of 'thickets' in this rationale statement was a copy-and-paste error, since the answers to 9 and 10 had similar language, up to a point. Changed the narrative to read "None of the considerable amount of literature available on *P. tomentosa* suggests that it presents any health risk to humans or animals."

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## Issue ID # 8073

**Date Created:** August 31, 2022 - 2:52pm

**Date Updated:** September 13, 2022 - 2:59pm

**Submitted by:** Wendy Descamp

**Status:** Fixed

**Type:** Suggestion

**Severity:** Minor

**Scope:** Q04. Is the species (or cultivar or variety) noted as being invasive in the US or world in a similar climate?



## Issue Description

Hi Jim, As with past PRE review, suggest maybe take off WSNWCB reference as the monitor list is to gather information about a species and it hasn't necessarily been noted as invasive in WA (aiming to gather more information about the plant), though it has been found in WA, so could be a reference for question 2. I do not believe it is considered invasive (yet) in WA.

Is there a reference that can be listed as an Oregon reference for invasiveness?

## Issue Resolution (Screener's Response to Issue)

Changed the narrative for Q. 4 to "The PlantRight climate match tool indicates that *P. tomentosa*'s distribution in the Appalachian Mountains from New England to Alabama, and most of the species distribution in Europe is a match with the climate of Washington. *P. tomentosa* is invasive in several Appalachian states. In Tennessee, where *P. tomentosa* competes with native plants on rocky cliffs and in scoured riparian zones, the species is listed as an 'Established Threat' in natural areas. In Connecticut the species is "prohibited from importation, movement, sale, purchase, transplanting, cultivation and distribution," and added references to Tennessee-IPC and Connecticut-IPC

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## **About PRE and this Plant Evaluation Report**

The Plant Risk Evaluator (PRE) is an online database and platform designed to assess the risk of a plant becoming invasive in a given region. This tool offers many benefits, and we encourage you to visit the PRE website (<https://pretool.org>) for more information.

If you would like to learn more about PRE, please email us at [info@plantright.org](mailto:info@plantright.org), requesting a PRE Account.

PRE beta funding was provided by Sustainable Conservation (<https://www.suscon.org/>) and a USDA Farm Bill grant. Additional funding has been provided by the Western Integrated Pest Management Center.