## Plant Propagation Protocol for *Prunus pensylvanica*

ESRM 412 – Native Plant Production

URL: https://courses.washington.edu/esrm412/protocols/2021/PRPE2.pdf

TAXONOMY		
Plant Family		
Scientific Name	Rosaceae	
Common Name	Rose Family	
Species Scientific		
Name		
Scientific Name	Prunus pensylvanica L. f.	
Varieties	Prunus pensylvanica L. f. var. pensylvanica	
	Prunus pensylvanica L. f. var. saximontana Rehder	
	[5]	
Sub-species	Missing	
Cultivar	Missing	
Common	Cerasus pensylvanica (L.f.) Loisel.	
Synonym(s)	Prunus cerasifolia S. Watson	
	Prunus pennsylvanica Sarg.	
	Prunus pensylvanica var. pensylvanica	
	[8]	
Common Name(s)	Pin cherry, bird cherry, fire cherry, red cherry [2,3]	
Species Code (as per	PRPE2 [5]	
USDA Plants		
database)		
	GENERAL INFORMATION	
Geographical range	Native Status:    Native Status:   Nativ	

Ecological	Grows in dry to moist clearings, open woods, woodland edges and disturbed sites. [1]
distribution	
Climate and elevation range	Missing
Local habitat and	Parcal faract region with white carues, black carues, balcam fir, paper birch, quaking aspen
abundance	Boreal forest region with white spruce, black spruce, balsam fir, paper birch, quaking aspen,
Plant strategy type /	chokecherry, mountain maple, speckled alder [1]  The seeds sprout easily after fire and it is a generally short-lived tree (20-40 years). This tree
successional stage	grows rapidly, and forms stands that provide shade to growing seedlings that will most likely take over the site when the pin cherry dies creating an opening for the growing seedlings. [1]
Plant characteristics	2005 © Peter M. Dziuk
	Grows as a shrub or small tree. Grows 5-15 m tall with a round-topped crown of foliage. The leaves are thin, and flowers occur in groupings in the spring. The tree produced bright red drupes. [1]
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Ecotype	Grows as a shrub or small tree. Grows 5-15 m tall with a round-topped crown of foliage. The leaves are thin, and flowers occur in groupings in the spring. The tree produced bright red drupes. [1]
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	Collected seeds can also be stored at 37 to 41 °F for 3-5 years. Pin cherry seeds have retained viability for up to 10 years when stored in sealed containers at 34 to 38 °F [1]
Growing Area Preparation / Annual Practices for Perennial Crops	Missing
Establishment Phase Details	10-day germination period with 12 hours at 41 °F alternating with 12 hours at 86 °F. This procedure can be expected to achieve at least 75% germination.
	Prick out individual seedlings when they are large enough to handle. Grow in a greenhouse or cold frame for their first winter. [1]
Length of Establishment Phase	3 months
Active Growth Phase	Plant the seedlings outside in late spring or early summer of their first year [1]
Length of Active	4 months
Growth Phase	
Hardening Phase	Leave the plants outside to experience their first winter
Length of Hardening Phase	Missing
Harvesting, Storage and Shipping	Missing
Length of Storage	Missing
Guidelines for Out planting / Performance on Typical Sites	Missing
Other Comments	Pin cherry also suckers and could in theory grow from cuttings, but this has not been demonstrated with much success. All of the parts of the plant that are not the fruit are very poisonous to humans. [7]
	INFORMATION SOURCES
References	[1] "Species: Prunus pensylvanica." Fs.fed.us. Fire Effects Information System (FEIS). Accessed May 2021. <a href="https://www.fs.fed.us/database/feis/plants/tree/prupen/all.html">https://www.fs.fed.us/database/feis/plants/tree/prupen/all.html</a> .
	[2] "Prunus pensylvanica (Pin Cherry)." <i>Minnesotawildflowers.info</i> . Minnesota Wildflowers. Accessed May 2021. <a href="https://www.minnesotawildflowers.info/tree/pin-cherry">https://www.minnesotawildflowers.info/tree/pin-cherry</a> .
	[3] "Prunus pensylvanica- L.f." <i>pfaf.org</i> . Plants for a Future. Accessed May 2021. <a href="https://pfaf.org/User/Plant.aspx?LatinName=Prunus+pensylvanica">https://pfaf.org/User/Plant.aspx?LatinName=Prunus+pensylvanica</a> .

[-	4] "Prunus pensylvanica." <i>Plants.ces.ncsu.edu</i> . NC State Extension Gardener Plant Toolbox.
Δ	Accessed May 2021. <a href="https://plants.ces.ncsu.edu/plants/prunus-pensylvanica/">https://plants.ces.ncsu.edu/plants/prunus-pensylvanica/</a> .
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h	nttps://plants.usda.gov/home/plantProfile?symbol=PRPE2.
[0	6] "Pin Cherry." Srs.fs.usda.gov. G. W. Wendel. Accessed May 2021.
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	[8] "Prunus pensylvanica L.f." theplantlist.org. The Plant List: a working list of all plant species.
<u> </u>	Accessed May 2021. http://www.theplantlist.org/tpl1.1/record/rjp-1021.
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	2021. https://gobotany.nativeplanttrust.org/species/prunus/pensylvanica/.
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