



<b>habitat</b>	
natural distribution	Middle and East North America
in N.W. Europe since	16 <sup>th</sup> century France
natural areas The Netherlands	not indigenous
geological landscape types The Netherlands (Hoek 1997)	coversand area, ice-pushed ridges
forested areas The Netherlands	dry and moist sandy soils; former heath fields; former shifting sands
area Netherlands	
% of forest trees in the Netherlands	<0,7
soil type	sands or loamy soils
pH-KCl	3,5 – 4,5
soil fertility	nutrient poor to nutrient rich
light	shade tolerant
① shade tolerance (0=no tolerance to 5=max. tolerance)	3.2
① drought tolerance (0=no tolerance to 5=max. tolerance)	2.3
① waterlogging tolerance (0=no tolerance to 5=max. tolerance)	1.0
plant communities in the Netherlands	-
<b>management</b>	
status N. America	frequent species in forests
status Europe	infrequent exotic species in forests and urban environment
status The Netherlands	infrequent exotic species in forests and urban environment
application	timber tree, ornamental
propagation	seed
regeneration	planting; natural regeneration; seeding
optimal gap size for regeneration	1-2x tree length
first plantation Netherlands	
resprouting after cutting	no
growth rate (M.A.I. in m <sup>3</sup> ha <sup>-1</sup> j <sup>-1</sup> )	fast
diseases	<i>Cronartium ribicola</i> , fungus on leaves, also affecting phloem (Weymouthdennen-blaasroest)
insects	
<b>wood</b>	
wood	white pine, weymouth pine, eastern white pine, northern white pine Quebec yellow pine, soft pine (inlands weymouth)
wood structures key characteristics of pores	tracheid walls in rays with open piths. Resin canals
density heartwood (kg/m <sup>3</sup> )	400 (12% moisture content)
elastic modulus (N/mm <sup>2</sup> )	
durability heartwood	fungus 4
heartwood colour	yellowish white
sapwood colour	yellowish white
contents	resin (hars)
products	construction timber, cladding, pulpwood
<b>non-timber products</b>	
resin	for turpentine

① Ülo Niinemets and Fernando Valladares. 2006. Tolerance to shade, drought, and waterlogging of temperate Northern Hemisphere trees and shrubs. Ecological Monographs 76:521–547



ornamental young tree in Wageningen



cones and leaves



bark of a young tree  
photo's 4x © Leo Goudzwaard, Wageningen University



bark of a mature tree





Young Eastern white pine, Schovenhorst Pinetum, Putten  
photo © Leo Goudzwaard, Wageningen University



*P. strobus* stand in Oostereng State Forest  
photo © Leo Goudzwaard