



<b>habitat</b>	
natural distribution	Europe, W. Asia, Atlas
in N.W. Europe since	.. B.C.
natural areas The Netherlands	forests
geological landscape types The Netherlands (Hoek 1997)	river valleys; dune area; till plateau; coversand area; ice pushed ridges; loess covered terraces
forested areas The Netherlands	-
area Netherlands	-
% of forest trees in the Netherlands	not a forest canopy tree
soil type	sandy and loamy soils
pH-KCl	acid
soil fertility	nutrient moderate
light	light demanding
☉ shade tolerance (0=no tolerance to 5=max. tolerance)	2.2
☉ drought tolerance (0=no tolerance to 5=max. tolerance)	2.2
☉ waterlogging tolerance (0=no tolerance to 5=max. tolerance)	2.8
plant communities in the Netherlands	Klasse der wilgenbroekstruwelen: -Salicetum auritae – associatie van Geoorde wilg Klasse der Eiken-Beukenbossen op voedselrijke grond: -Stellario-Carpinetum – Eiken-Haagbeukenbos (niet vermeld in Weeda) Klasse der Eiken-Beukenbossen op voedselarme grond: -Fago-Quercetum – Beuken-Eikenbos (niet vermeld in Weeda)
<b>management</b>	
status Europe	?
status The Netherlands	infrequent indigenous species
application	nature shrub
propagation	cuttings
regeneration	planting; natural regeneration from seed
optimal gap size for regeneration	
first plantation Netherlands	-
resprouting after cutting	good
growth rate (M.A.I. in $m^3 ha^{-1} j^{-1}$ )	slow (data unknown)
diseases	
insects	<i>Phytodecta viminalis</i> – leaf beetle – Roodbruine wilgenhaantje <i>Trachys minuta</i> – leaf beetle - Wilgenprachtkevertje
<b>wood</b>	
wood	Willow (Dutch: wilgen)
wood structures key characteristics of pores	-
vol. mass heartwood (kg/m <sup>3</sup> )	-
elastic modulus (N/mm <sup>2</sup> )	-
durability heartwood	fungus 5
heartwood color	white
sapwood color	white
contents	
products	none (small shrub)
<b>non-timber products</b>	
leaves and branches	for fodder
bark	salicylic acid for medicinal purposes

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



Goat willow leaves



winter buds



female flowers



Goat willow, fruiting shrub

photography 5x © Leo Goudzwaard, Wageningen University



male pollen flowers



Goat willow, seedling



mature tree, winter silhouette, Wageningen

photography 2x © Leo Goudzwaard, Wageningen University



Thomé, 1885