

habitat	
natural distribution	North Europe, Central Europe, Kaukasus, Turkey
in N.W. Europe since	1.000 – 2.000 BC
natural areas The Netherlands	forests
geological landscape types The Netherlands (Hoek 1997)	dune area, loss-covered terraces
forested areas The Netherlands	natural, loamy soils
area Netherlands	<i>Acer</i> spp. 1178 (2002, Probos)
% of forest trees in the Netherlands	0,5 (2002, Probos)
pH-KCl	acid to neutral
soil type	sand, loam, clay
soil fertility	nutrient rich
light	highly shade tolerant
① shade tolerance (0=no tolerance to 5=max. tolerance)	4.2
① drought tolerance (0=no tolerance to 5=max. tolerance)	2.7
① waterlogging tolerance (0=no tolerance to 5=max. tolerance)	1.5
plant communities in the Netherlands	Querco-Fagetea (klasse der Eiken-Beukenbossen op voedselrijke grond): -Fraxino-Ulmetum (Essen-Iepenbos)
management	
status Europe	frequent species in forests, landscape, urban environment
status The Netherlands	infrequent, exotic (naturalized) species in forests and landscape; frequent in urban environment
application	timber tree, street tree, ornamental
propagation	seed; named cultivars by grafting or cuttings
regeneration	planting; natural regeneration from seed
optimal gap size for regeneration	1-2x tree length
first plantation Netherlands	
resprouting after cutting	good
growth rate (M.A.I. in $m^3ha^{-1}j^{-1}$)	fast (data unknown)
diseases	<i>Verticillium dahliae</i> , verwelkingsziekte <i>Nectria cinnabarina</i> , a weak parasite - meniezwammetje
insects	<i>Phylonorycter sylvella</i> , leaf-mining Lepidopter (Dutch: bladmineerder) aphids can cause honey-dew (Dutch: roetdauw)
wood	
wood	Maple, Sycamore (Dutch: Europees esdoorn)
wood structures key characteristics of pores	diffuse porous. Pores sparse. Spiral thickenings
vol. mass heartwood (kg/m ³)	(530-)610-680(-800) (12% moisture content)
elastic modulus (N/mm ²)	10.100
durability heartwood	fungus 5
heartwood color	white to light-yellow
sapwood color	white to light-yellow
contents	
products	furniture, cladding, flooring, musical instruments, tools, cutlery, turnery, veneer
non-timber products	
seed pods	roasted edible
sap	

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



Norway maple leaves and bud



autumn colored leaves



Norway maple flowers



flowers in detail



buds in winter



Norway maple, autumn coloured, Oosterbeek



Acer platanoides 'Cleveland', Wageningen



bark of a medium aged tree

photography 8x Leo Goudzwaard, Wageningen University