

Tree factsheet

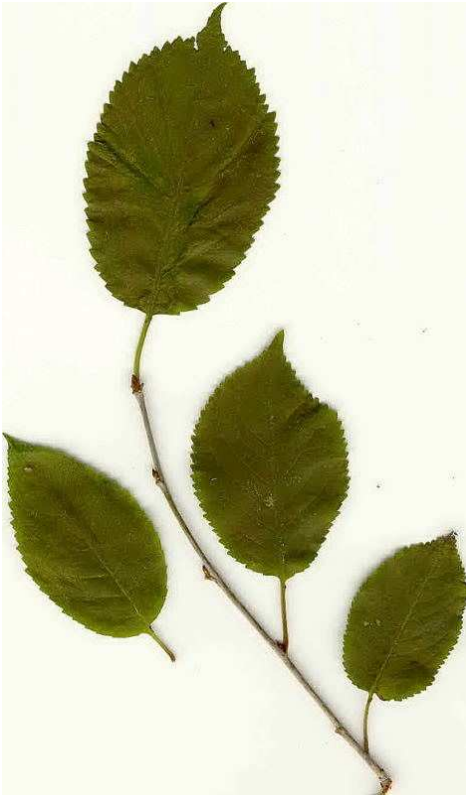
images at pages 3, 4, 5

***Prunus avium* L.**

taxonomy	
author, year	Linnaeus 1753
synonym	<i>Cerasus avium</i>
family	Rosaceae
Eng. Name	Wild Cherry, Sweet Cherry, Mazzard, Gean
Dutch name	Zoete Kers, Wilde Kers, Kriek, Boskers
subspecies	-
varieties	
hybrids	
cultivars, frequently used:	
‘Plena’	as a street tree and in parks
‘Landscape Bloom’	as a landscape tree
many fruit varieties	see Wikipedia
references	Schalk, P.H. 1989. <i>Prunus avium</i> de Boskers (in Dutch). in: Schmidt, P. 1989. Nederlandse boomsoorten II, Syllabus Vakgroep Bosbouw, Landbouwniversiteit Wageningen.
	http://nl.wikipedia.org/wiki/Kers
	http://en.wikipedia.org/wiki/Cherry
	Plants for a Future Database; www.pfaf.org/index.html
morphology	
crown habit	tree, round to spreading
max. height (m)	20-30
max. dbh (cm)	120 (180)
actual size Great Britain + Ireland	year ..., d(...) 182, h 17, Studley Royal, Yorkshire, England year ..., d(...) 75, h 28.5, Gurteen le Poer, Co. Waterford, Ireland
actual size The Netherlands	year 1900-1910, d(130) 117, h 18 year 1920-1930, d(130) 51, h 20
leaf length (cm)	6-15
leaf petiole (cm)	3-6
leaf colour upper surface	green
leaf colour under surface	green
leaves arrangement	alternate
flowering	April
flowering plant	monoecious
flower	hermaphrodite
flower diameter (cm)	2-3
flower male catkins length (cm)	-
pollination	insects
fruit; length	cherry, drupe (=stone fruit); 1-2 cm
fruit petiole (cm)	2-3
seed; length	stone; 0,5 cm
seed-wing length (cm)	-
weight 1000 seeds (g)	175
seeds ripen	June-July
seed dispersal	birds (especially starling), fox, wood mouse

habitat	
natural distribution	Europe, Turkey, N.-Africa
in N.W. Europe since B.C.
natural areas The Netherlands	forests, forest edges
geological landscape types The Netherlands (Hoek 1997)	river and brook valleys, loss-covered terraces
forested areas The Netherlands	natural at sandy, loamy and limestone soils.
area Netherlands	<1400 (2002, Probos)
% of forest trees in the Netherlands	< 0,6 (2002, Probos)
soil type	
pH-KCl	neutral to alkaline
soil fertility	nutrient rich
light	shade tolerant
① shade tolerance (0=no tolerance to 5=max. tolerance)	3.3
① drought tolerance (0=no tolerance to 5=max. tolerance)	2.7
① waterlogging tolerance (0=no tolerance to 5=max. tolerance)	1.2
plant communities in the Netherlands	Klasse der Eiken-beukenbossen op voedselrijke gronden: -Pruno-Fraxinetum – Vogelkers-essenbos -Stellario-Carpinetum – Eiken-haagbeukenbos
management	
status Europe	frequent, indigenous species in forests and urban environment
status The Netherlands	infrequent, indigenous species in forests and urban environment
application	timber tree, nature tree, street tree, fruit tree
propagation	seed; named cultivars by grafting
regeneration	planting; natural regeneration from seed
optimal gap size for regeneration	2-3x tree length
first plantation Netherlands	
resprouting after cutting	good
growth rate (M.A.I. in $m^3ha^{-1}j^{-1}$)	fast (data unknown)
diseases	-Gumming (gomziekte) is a tree's reaction on stress related factors - <i>Chondrostereum purpureum</i> (Paarse korstzwam) causing Silverleaf (Loodglansziekte), a fungus attacking trees of the Rosaceae
insects	<i>Ragoletis cerasi</i> – Cherry fly (Kersenboorvlieg, Kersenpitboorder), a rare species
wood	
wood	European cherry (Dutch: Europees kersen)
wood structures key characteristics of pores	Semi ring porous; pore clusters; 2-4 seriate rays, heterogeneous.
vol. mass heartwood (kg/m ³)	620 (12% moisture content)
elastic modulus (N/mm ²)	10.900
durability heartwood	fungus 3
heartwood color	yellow brown to red brown
sapwood color	yellow to light brown
contents	
products	furniture, cladding, musical instruments, tools, cutlery, turnery, veneer
non-timber products	
fruits	edible; many cultivated fruit-races
gum	cerasine (kersengom) is a natural binding agent for paint; also used in waxes

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



leaves and branch



leaf detail



twig and buds in winter



flowers



autumn leaves



wood, photo © Chris Sonnemans



bark of a mature tree



massive bole of a mature Wild Cherry, Speulderbos, Garderen
photography 3x © Leo Goudzwaard, Wageningen University



Young ornamental tree, Wageningen



ripening cherries, photo Wikipedia



Cherry tree, photo Wikipedia