

Survey of the genus *Fraxinus*

(compiled by D. De Meyere & G. Houben Sept. 2012 ©)

Based on KEW Checklist of Plants

NOTES: this list excludes hybrids and horticultural varieties ● IUCN red listed wild collected: * = 1 ** = 2 *** = 3 or more accessions ^ = indoors (at NBGB Meise)

"W." at the right of the plant name refers to Wallander's infrageneric classification (2008); "W.: syn ..." = this species figures as a synonym name in Wallander's table)

H Σ = summary indicator of hardiness based on: Hillier (2002), Krüssmann (1983) + personal observation

H = fully hardy C = half hardy K = not hardy H (underscore) = hardiness indicator is confirmed in Belgium

No. BGCI = number of Botanic gardens worldwide growing this taxon, according to BGCI database (June 2010) "n" = data not available

occurrences in Belgian collections: NBGB Meise, source: LIVCOL database (Sept. 2012)

PLANTCOL database (Sept. 2012): PLANTCOL: Antwerpen, Bokrijk, Gent, Kalmthout, Leuven, Rendeux, Wespelaar

Arb. Het Leen (Eeklo) (source: website Sept. 2012); Arb. Tervuren (source: curators)

BELTREES database (Sept. 2012) (285) = circumference in cm of Belgian champion tree (source: Beltrees / NBGB)

accepted name	H Σ	natural distribution	No. BGCI	Belgian collections			main occurrences (other than NBGB Meise) + Belgian champion tree
				number of accessions			
				NBGB Meise	PLANTCOL	BELTREES	
Fraxinus americana L.	<u>H</u>	NC. & E. U.S.A.	164	*** 5	*** 14	56	Beveren, Bokrijk, Rendeux, Wespelaar, Arlon (346),
Fraxinus angustifolia Vahl	<u>H</u>	C. & S. Europe to Pakistan, NW. Africa	55	* 1	*** 9	22	Beveren, Bokrijk, Rendeux, Wespelaar, Huy (315),
Fraxinus angustifolia subsp. angustifolia	<u>H</u>	W. Medit., Bulgaria to Turkey	6		1		Rendeux
Fraxinus angustifolia subsp. oxycarpa (M.Bieb ex Willd.)	<u>H</u>	C. & S. Europe to Turkey	15	* 2			NBGB (129)
Fraxinus angustifolia subsp. persica (Boiss.) Azadi	CK?	W. & SW. Iran	n				
Fraxinus angustifolia subsp. syriaca (Boiss.) Yalt.	<u>H</u>	Turkey to Pakistan	10	1	1	1	NBGB (97), Wespelaar, Utrecht, Auteuil, ...
Fraxinus anomala Torr. ex S.Watson	<u>H</u>	W. U.S.A. to New Mexico	17	* 1			
Fraxinus anomala subsp. anomala	<u>H</u>	W. U.S.A. to New Mexico	n				
Fraxinus anomala subsp. lowellii (Sarg. ex Rehder) A.E.	CK?	U.S.A. Arizona	n				
Fraxinus apertisquamifera H.Hara	HC	Japan (C. Honshu)	4				
Fraxinus baroniana Diels	C	C. China	1				
Fraxinus berlandieriana A.DC.	CK?	Louisiana to E. Mexico	4				
Fraxinus bornmuelleri Lingelsh.	CK?	W. & SW. Iran	n				
		W.: syn <i>F. angustifolia</i>					
Fraxinus bungeana A.DC.	<u>H</u>	EC. & NE. China	30		1	2	Rendeux
● Fraxinus caroliniana Mill.	<u>H</u>	SE. U.S.A. to Texas, Cuba	22		* 2		Bokrijk, Rendeux
Fraxinus chiisanensis Nakai	<u>H</u>	Korea	4	* 1	*** 3		Wespelaar
Fraxinus chinensis Roxb.	<u>H</u>	Russian Far East to Japan, Indo-China	55	* 2	* 9		NBGB (62), Beveren, Bokrijk, Kalmthout, Wespelaar,
Fraxinus chinensis subsp. chinensis	<u>H</u>	China to Korea and Indo-China	5			1	
Fraxinus chinensis subsp. rhynchophylla (Hance) A.E.	<u>H</u>	Russian Far East to E. China and Japan	50	** 3	*** 10	2	Bokrijk, Kalmthout, Rendeux, Wespelaar, Tervuren

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Fraxinus cuspidata Torr. in W.H.Emory	CK?	Nevada to NE. Mexico	8				Wageningen, Kew, Melbourne, ...
Fraxinus depauperata (Lingelsh.) Z.Wei <i>W.: syn F. paxiana</i>	H	China (Shaanxi, Hubei, Hunan)	n				
Fraxinus dimorpha Coss. & Durieu <i>W.: syn F. xanthoxyloides</i>	CK	NW. Africa	n	1			
Fraxinus dipetala Hook. & Arn.	K	SW. U.S.A. to Mexico (Baja California)	22		* 1		Gent, Utrecht, Cambridge, Kew, ...
Fraxinus dubia (Willd. ex Schult. & Schult.f.) P.S.	K	NC. & SE. Mexico to Guatemala	n				
Fraxinus excelsior L.	H	Europe to Iran	133	3	13	500	Beveren, Bokrijk, Leuven, Rendeux, Havelange (665)
<i>Fraxinus excelsior</i> subsp. <i>excelsior</i>	H	Europe to Iran	3	1	1		Kalmthout
<i>Fraxinus excelsior</i> subsp. <i>siciliensis</i> Ilardi & Raimondo	H	Sicilia	n				
<i>Fraxinus excelsior</i> subsp. <i>coriariifolia</i> (Scheele) A.E.Murray	H	Bulgaria to Krym, NE. Turkey to Iran	n				
Fraxinus ferruginea Lingelsh. <i>W.: syn F. griffithii</i>	HC	Tibet to China (Yunnan, S. Guizhou)	n				
Fraxinus floribunda Wall.	CK?	Afghanistan to Nansei-shoto and Indo-	7				
Fraxinus gooddingii Little	K?	Arizona to Mexico (Sonora)	4				
Fraxinus greggii A.Gray	CK?	Texas to NE. Mexico	17				
Fraxinus griffithii C.B.Clarke	K	Bangladesh to Nansei-shoto, Jawa	16	* 2			
Fraxinus hookeri Wenz. <i>not in W.</i>	HC	W. Himalaya	n				
Fraxinus hubeiensis S.Z.Qu	HC	China (Hubei)	n				
Fraxinus insularis Hemsl. <i>W.: syn F. floribunda</i>	CK?	China, Japan (Yakushima) to Taiwan	17		* 1		Beveren, Eeklo
Fraxinus josephi Sennen <i>W.: syn F. excelsior</i>	HC?	Spain	n				
Fraxinus lanuginosa Koidz.	H	Russian Far East to Japan	37				
Fraxinus latifolia Benth.	H	British Colombia to California	60	2	1	5	NBGB (162), Bokrijk, Hoeilaart (148), Bonn,
Fraxinus longicuspis Siebold & Zucc.	HC?	C. & S. Japan	26		1	1	Rendeux, Tervuren
Fraxinus malacophylla Hemsl.	CK?	China (Yunnan, Guangxi) to Thailand	3				
Fraxinus mandshurica Rupr.	H	Russian Far East to C. China, N. & C.	86	* 1	** 3	1	Kalmthout, Rendeux, Wespelaar
Fraxinus micrantha Lingelsh.	CK?	Pakistan to W. & C. Himalaya	1				
Fraxinus nigra Marshall	H	SE. Canada, NC. & NE. U.S.A. to	57		** 3		Bokrijk, Rendeux, Wespelaar, Tervuren
Fraxinus odontocalyx Hand.-Mazz. ex E.Peter <i>W.: syn F. floribunda</i>	HC?	China	n				
Fraxinus ornus L.	H	EC. & S. Europe to Caucasus.	135	3	11	67	Beveren, Bokrijk, Gent, Kalmthout, Liège (285),
<i>Fraxinus ornus</i> subsp. <i>ornus</i>	H	EC. & S. Europe to Caucasus	2		3	1	Kalmthout, Rendeux
<i>Fraxinus ornus</i> subsp. <i>cilicica</i> (Lingelsh.) Yalt.	H	. Turkey	2				
Fraxinus pallisae Wilmott <i>W.: syn F. angustifolia</i>	H	SE Europe to Moldova, Caucasus	21		** 2		Beveren, Gent

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			NBGB Meise	PLANTCOL	BELTREES		
Fraxinus papillosa Lingelsh.	CK?	Arizona to Texas and N. Mexico	n				
Fraxinus parryi Moran	W.: syn <i>F. dipetala</i> K?	SW. California to Mexico	1				
Fraxinus paxiana Lingelsh.	H	China (Shaanxi, Hubei, Hunan)	37	*** 6		Beveren, Bokrijk, Wespelaar	
Fraxinus pennsylvanica Marshall	H	Canada to WC. & E. U.S.A	132	2 ** 5	30	Gent, Rendeux, Tervuren, Eeklo, Grez-Doiceau (284)	
Fraxinus platypoda Oliv.	H	C. China, C. & S. Japan	25	1	1	NBGB (98), Wespelaar, Utrecht, Kew, ...	
Fraxinus potosina Brandegees	W.: syn <i>F. anomala</i> K	Mexico (San Luis Potosí)	2				
Fraxinus pringlei Lingelsh.	not in <i>W.</i> K	Mexico (Hidalgo)	n				
Fraxinus profunda (Bush) Bush	H	NC. & E. U.S.A.	22		1	Rendeux	
Fraxinus punctata S.Y.Hu	W.: syn <i>F. trifoliata</i> HC?	China (Hubei)	n				
Fraxinus purpusii Brandegees	K	. Mexico to Guatemala	n				
<i>Fraxinus purpusii</i> var. <i>purpusii</i>	K	Mexico (Puebla)	n				
<i>Fraxinus purpusii</i> var. <i>vellerea</i> (Standl. & Steyerl.) P.S.	K	Guatemala	n				
Fraxinus quadrangulata Michx.	H	NC. & EC. U.S.A.	92	* 1	* 4	2 Bokrijk, Rendeux, Wespelaar, Haacht (146), Tervuren	
Fraxinus raibocarpa Regel	H	C. Asia to E. Afghanistan	5				
Fraxinus reflexiflora Lundell	not in <i>W.</i> K	Mexico (Durango)	n				
Fraxinus rufescens Lingelsh.	K	Mexico (Veracruz)	n				
Fraxinus sieboldiana Blume	H	SE. China, S. Korea C. & S. Japan	58	* 2	*** 31	NBGB (45), Beveren, Bokrijk, Rendeux, Wespelaar,	
● Fraxinus sogdiana Bunge	W.: syn <i>F. angustifolia</i> HC	C. Asia to W. Pakistan and NW. China	22				
Fraxinus stylosa Lingelsh.	W.: syn <i>F. floribunda</i> CK?	C. China	9				
Fraxinus suaveolens W.W.Sm.	W.: syn <i>F. paxiana</i> CK?	E. Himalaya to SC. China	n				
Fraxinus texensis (A.Gray) Sarg.	H	Oklahoma to Texas	20	* 1		NBGB (106)	
Fraxinus trifoliolata W.W.Sm.	CK?	China (Sichuan, Yunnan)	5				
● Fraxinus uhdei (Wenz.) Lingelsh.	K?	Mexico to Honduras	19				
Fraxinus velutina Torr.	H	SW. & SC. U.S.A. to N. Mexico	42	1	*** 5	5 Rendeux, Wespelaar, Tervuren, Bertrix (139), Eeklo	
Fraxinus xanthoxyloides (G.Don) Wall. ex A.DC.	H	Afghanistan to Tibet	21	1	* 1	1 NBGB (86), Rendeux	