



Fraxinus Linnaeus (1753)

Oleaceae

Frênes

Bibliographie : Gerd Krüssmann, Manuel of cultivated broad-leaved trees & shrubs Volume II - 1985
 R.K. Brummitt (compiled by), Vascular Plant Families and Genera, 1992.
 K. Kubitzki (edited by), The families and genera of vascular plants, Tome II, Collectif, 1993
 E. Wallander Systematics of Fraxinus and evolution of dioecy, Pl. Syst. Evol. 273, 2008.
 D.J. Mabberley The Plant Book, 2009.
 eFloras (2008) : Flora of China. Published on the Internet <http://www.efloras.org> Missouri Botanical Garden, St. Louis, MO & Harvard University Herbaria, Cambridge, MA.
 Collectif, Flora Iberica, Vol. XI, Madrid 2012.
 Urban Jacques , Les cahiers du naturaliste N°45, Fascicule 1 Les frênes du monde, 2013.

Liste des taxons

Le chiffre entre parenthèses qui suit le nom de l'espèce est le numéro d'ordre qui renvoie au texte descriptif de la monographie citée en référence. Les indications géographiques de la liste sont approximatives : voir les fiches pour plus de précisions.

Taxons acceptés :

americana (28) Linné. 1753, Est et Centre USA.
 subsp. *texensis* (A. Gray) G.S.Mill., 1955.
angustifolia (43) Vahl. 1803, Europe-Asie Centrale.
 subsp. *oxycarpa* (Willd.) Franco & Rocha Afonso, 1971.
 subsp. *persica* (Boiss.) Azadi, 2005.
 subsp. *syriaca* (Boiss.) Yalt., 1978.
anomala (38) Torr. ex S.Watson 1871, Sud-ouest USA.
apertisquamifera (2) H.Hara 1956, Japon.
baroniana (13) Diels 1905, Chine centrale.
berlandieriana (36) A. DC. 1844, Est Mississippi-Mexique.
bornmuelleri (44) Lingels. 1920, Iran.
bungeana (10) A. DC. 1844, Est Chine.
caroliniana (37) Mill. 1768, Sud-est USA.
chiisanensis (26) Nakai 1929, Corée.
chinensis (14) Roxb. 1820, Est Russie-Japon-Indochine.
 subsp. *rhynchophylla* (Hance) A.E.Murray, 1983.
cuspidata (16) Torr. 1858, Nevada-Nord-est Mexique.
dipetala (17) Hook. & Arn. 1839, Sud-ouest USA-Mexique.
dubia (23) (Willd. ex Schult. & Schult.f.) P.S.Green & M.Nee.1991, Mexique-Guatemala.
excelsior (46) Linné 1753, Europe-Russie.
 subsp. *coriariifolia* (Scheele) A.E.Murray, 1968.
floribunda (5) Wall. 1820, Afghanistan-Indochine-Japon.
 subsp. *insularis* Helms. 1889, Chine-Taiwan-Japon
 subsp. *stylosa* (Lingelsh.) J. Urb (2013), Chine.
gooddingii (21) Little 1952, Arizona-Mexique (Sonora).
greggii (20) A. Gray 1877, Texas-Nord Mexique.
griffithii (8) C.B. Clarke 1882, Bengladesh-Chine-Java.
hookeri (47) Wenz. 1883, Pakistan-Ouest Himalaya-Tibet.
hubeiensis (19) S.Z.Qu, C.B.Shang & P.L.Su. 1979, Chine (Hubei).
lanuginosa (1) Koidz. 1926, Est Russie-Japon.
latifolia (33) Benth. 1844, Sud-ouest Canada-Californie.
longicuspis (12) Siebold & Zucc. 1846, Japon.
malacophylla (7) Helms. 1899, Sud Chine-Thaïlande.
mandshurica (41) Rupr. 1857, Est Russie-Chine-Japon.
micrantha (15) Lingelsh. 1907, Pakistan-Centre Himalaya.
nigra (40) Marshall 1785, Sud-est Canada-Centre USA.
ornus (9) Linné 1753, Centre Europe-Caucase.
 subsp. *cilicica* (Lingelsh.) Yalt., 1961, (taxon douteux).
pallissae (45) Willmott 1916, Sud-est Europe-Caucase.

papillosa (30) Lingelsh. 1907, Arizona-Texas-Mexique.
paxiana (4) Lingelsh. 1907, Chine.
 var. *depauperata* Lingelsh. 1920, Japon
 var. *sikkimensis* Lingelsh. 1907, Sikkim.
pennsylvanica (32) Marshall 1785, Canada-Est USA.
platypoda (27) Oliv. 1890, Chine Centrale-Japon.
pringlei (35) Lingelsh. 1907, Mexique (Hidalgo).
profunda (31) (Bush) Bush 1901, Centre Nord et Est USA.
purpusii (24) Brand. 1910, Centre Mexique-Guatemala.
 var. *vellerea* (Standl. & Steyerl.) P.S.Green, 1991.
quadrangulata (39) Michx. 1803, Centre Nord et Est USA.
raibocarpa (11) Regel 1884, Afghanistan-Asie Centrale.
reflexiflora (25) Lundell 1960, Mexique (Durango).
rufescens (22) Lingelsh. 1907, Mexique (Vera Cruz).
sieboldiana (3) Blume 1851, Sud-est Chine- Corée-Japon.
sogdiana (42) Bunge 1852, Pakistan-Asie Centrale- Chine.
trifoliolata (6) W.W. Sm. 1920, Sud Chine
uhdei (29) (Wenz.) Lingelsh. 1907, Amérique Centrale.
velutina (34) Torr. 1848, Sud ouest USA- Nord Mexique.
xanthoxyloides (18) (G. Don) Wall. ex A. DC.1844, Afrique du Nord-Afghanistan-Himalaya-Chine.

Hybrides :

x borzae Georgescu & Tutunaru, 1967 : *angustifolia* subsp.
oxycarpa X *pallissae*
x cataubiensis Ashe, 1902 : *americana* X *pennsylvanica*
x hybrida Lingelsh., 1907 : *americana* X *caroliniana*
x rehderiana Lingelsh., 1920 : *caroliniana* X *pennsylvanica*

Synonymes et taxons invalides :

Afin d'éviter l'obtention d'une longue liste de taxons seules les synonymies qui utilisent un qualificatif d'espèce différent de ceux acceptés sont reportés ici. Sont donc exclus, tous les synonymes qui font référence aux rangs inférieurs d'un taxon accepté. Ils se retrouvent au niveau de chaque taxon.

Convention typographique

le signe = remplace l'expression "est synonyme de"

acuminata Lam. = *F. americana*
acutifolia Dippel = *F. excelsior*
alba Marshall = *F. americana*
albicans Buckley = *F. americana*
amarissima Dippel = *F. excelsior*



- angustata* (Blume) Hatus = *F. sieboldiana*
apetala Dippel = *F. excelsior*
appendiculata Pers. = *F. excelsior*
ararica Gand. = *F. excelsior*
arbutifolia Dippel = *F. pennsylvanica*
argentea Loisel = *F. ornus*
atra Dum. Cours. = *F. excelsior*
atrovirens (Pers.) Desf. = *F. excelsior*
attenuata M.E. Jones = *F. velutina*
aucubifolia G. Kirchn. = *F. pennsylvanica*
aurea Willd. = *F. excelsior*
australis (Camb.) J. Gay = *F. angustifolia* subsp. *oxycarpa*
australis Mont. ex Gren. & Godr. [Illeg.] = *F. angustifolia* subsp. *oxycarpa*
baurieri Sennen & Gonzalo = *F. excelsior*
bicolor Standl. & Steyerl. = *F. purpusii* var. *vellerea*
biloba Gren. & Godr. = *F. excelsior*
biltmoreana Beadle = *F. americana*
boitrayana Gand. = *F. excelsior*
borealis Nakai = *F. longiscupis*
boscii G. Don = *F. excelsior*
bracteata Hemsl. = *F. griffithii*
brandisii Lingelsh. = *F. hookeri*
brevidentata Sennen & Elias = *F. excelsior*
bumelia Bedevian = *F. excelsior*
burgalensis Sennen & Elias = *F. excelsior*
calabrica Dippel = *F. angustifolia*
californica Dippel = *F. latifolia*
campestris Britton = *F. pennsylvanica*
canadensis Gaernt. = *F. americana*
canaliculata Raf. taxon inconnu
cappadocica Juss. ex Bosc = *F. ornus*
carolinensis Wangenh. = *F. americana*
caroliniana Willd. [Illeg.] = *F. americana*
caudata J.L. Wu = *F. longiscupis*
cavekiana Standl. & Steyerl. = *F. uhdei*
cerasifolia Hoffmanns. = *F. pennsylvanica*
ceretanica Sennen = *F. excelsior*
championii Little = *F. floribunda* subsp. *insularis*
chiapensis Lundell = *F. uhdei*
ciliata Dippel = *F. dipetala*
cilicica Lingelsh. = *F. ornus* subsp. *cilicica*
cinerea Bosc = *F. pennsylvanica*
commemoralis Koidz. = *F. platypoda*
concolor Muhl. = *F. pennsylvanica*
concolor Muhl. = *F. pennsylvanica*
concolor Muhl. = *F. pennsylvanica*
cordata Raf. taxon inconnu
coriacea S. Watson = *F. velutina*
coriariifolia Scheele = *F. excelsior* subsp. *coriariifolia*
crispa (Willd.) Bosc = *F. excelsior*
cubensis Griseb. = *F. caroliniana*
cucullata Ballet ex Dippel = *F. excelsior*
curtissii Vasey = *F. americana*
darlingtonii Britton = *F. pennsylvanica*
densata Nakai = *F. chinensis* subsp. *rhyrachophylla*
densiflora Lingelsh. = *F. paxiana*
dentata Tausch = *F. angustifolia*
depauperata (Lingelsh.) Z. Wei 1992 = *F. paxiana* subsp. *depauperata*.
dimorpha Coss. & Durieu 1855 = *F. xanthoxyloides*
dippeliana Lingelsh. ex C.K. Schneid. = *F. bungeana*
discolor Muhl. = *F. pennsylvanica*
diversifolia Rochel ex Boiss. = *F. ornus*
dodei Sennen = *F. excelsior*
edentata Dippel = *F. angustifolia* subsp. *oxycarpa*
eedenii Boerl. & Koord. = *F. griffithii*
elbursensis Lingelsh. = *F. excelsior* subsp. *coriariifolia*
eliae Sennen = *F. excelsior*
elliptica Bosc = *F. pennsylvanica*
elongatifolia Sennen = *F. angustifolia*
elonza Dippel = *F. angustifolia* subsp. *oxycarpa*
epiptera Michx. = *F. americana*
erosa Pers. taxon douteux
excelsa Thunb. = *F. mandshurica*
excelsissima Koidz. = *F. mandshurica*
fallax Lingelsh. = *F. floribunda* subsp. *stylosa*
fauriei H. Lév. taxon douteux
ferruginea Lingelsh. = *F. griffithii*
floribunda Bunge ex A. DC. = *F. bungeana*
floribunda C.K. Schneid. = *F. ornus*
floridana (Wenz.) Sarg. = *F. caroliniana*
florifera Scop. = *F. ornus*
formosana Hayata = *F. griffithii*
fungosa Lodd. = *F. excelsior*
fusca Bosc = *F. pennsylvanica*
glabra Laws. ex Beiss. = *F. pennsylvanica*
glauca Raf. = *F. americana*
globosa Dippel [Invalide] = *F. excelsior*
glomerata Dippel [Invalide] = *F. excelsior*
grandifolia Raf. = *F. americana*
grandifolia Sennen = *F. excelsior*
guilimensis S.K. Lee & F.N. Wei = *F. griffithii*
halepensis Steud. = *F. ornus*
heterophylla Vahl = *F. excelsior*
holotricha Koehne = *F. pallisae*
hondurensis Standl. = *F. uhdei*
hopeiensis T. Tang = *F. chinensis* subsp. *rhyrachophylla*
horizontalis Dum. Cours. taxon douteux
huangshanensis S. Sun = *F. odontocalyx*
humilior Garsault [Invalide] = *F. angustifolia*
humilis Dippel [Invalide] = *F. excelsior*
hupehensis S.Z. Qu, C.B. Shang & P.L. Su = *F. hubeiensis* en tant qu'homonymes.
implicata Dum. Cours. taxon douteux
inopinata Lingelsh. = *F. platypoda*
integrifolia Moench = *F. excelsior*
intermedia Dippel = *F. excelsior*
intermedia Nakai [Illeg.] = *F. chinensis* subsp. *rhyrachophylla*
japonica Blume ex K.Koch = *F. chinensis* subsp. *rhyrachophylla*
japonica Wems. [Invalide] = *F. longiscupis*
jaspidea Dum. Cours. taxon douteux
jonesii Lingelsh. = *F. dipetala*
X josephi Sennen = *F. excelsior*
juglandifolia Lam. = *F. americana*
kantoensis Koidz. = *F. longiscupis*
koehneana Lingelsh. = *F. longiscupis*
koshiensis Koidz. = *F. chinensis* subsp. *rhyrachophylla*
kotschyi C.K. Schneid. = *F. ornus* subsp. *cilicica*



- lacera* Raf. taxon douteux
lacerata Dum. Cours. taxon douteux
laciniata Raf. [Invalide] = *F. excelsior*
lancea Bosc = *F. pennsylvanica*
lanceolata Borkh. = *F. pennsylvanica*
lancifolia Raf. = *F. pennsylvanica*
lenticifolia Desf. = *F. angustifolia*
leptocarpa Sennen = *F. angustifolia* subsp. *oxycarpa*
linearis Dippel. [Invalide] = *F. excelsior*
lingelsheimii Rehder = *F. chinensis*
longifolia Bosc = *F. pennsylvanica*
X longisamara Sen. & Gonz. = *F. excelsior*
lowellii Sarg. ex Rehder = *F. anomala* subsp. *lowellii*
lucida Dippel [Invalide] = *F. excelsior*
macropetala Eastw. = *F. cuspidata*
macrophylla Hoffm. = *F. americana*
mammifera Steud. = *F. mandshurica*
mannifera (Raf.) Steud. = *F. ornus*
mariesii Hook. f. = *F. sieboldiana*
media Raf. = *F. pennsylvanica*
medicinalis S.S. Sun = *F. chinensis*
mentha Dippel [Invalide] = *F. angustifolia* subsp. *oxycarpa*
mexicana Sweet = *F. cuspidata*
michauxii Britton = *F. profunda*
microphylla Willd. [Invalide] = *F. angustifolia* subsp. *oxycarpa*
microphylla Jacques = *F. excelsior*
mille-lacuum K. Koch. = *F. ornus*
minutepunctata Hayata. = *F. griffithii*
mixta Bosc = *F. angustifolia*
mollis Raf. taxon douteux
monophylla Dum. Cours. = *F. excelsior*
montana Salisb. [Illeg.] = *F. ornus*
moorcroftiana (G.Don) Brandis = *F. xanthoxyloides*
multifolia Raf. taxon douteux
nakaiana Koidz. = *F. chinensis* subsp. *rhynchophylla*
nana Pers. = *F. excelsior*
nanchuanensis S.S.Sun & J.L.Wu = *F. odontocalyx*
neomexicana A. Gray taxon douteux
nigrescens Buckley = *F. caroliniana*
nipponica Koidz. = *F. platypoda*
nova-angliae Mill. = *F. americana*
numidica Dippel = *F. angustifolia* subsp. *oxycarpa*
nummularis M.E. Jones. = *F. greggii*
nuttallii Buckley = *F. caroliniana*
obliqua Tausch = *F. excelsior* subsp. *coriariifolia*
oblongocarpa Buckley = *F. pennsylvanica*
obovata Blume = *F. longiscupis*
obtusa Wiilk. & Lange = *F. angustifolia*
ochrochlora Gand. = *F. excelsior*
odontocalyx = *F. floribunda*
oregona Nutt. = *F. latifolia*
orientalis Colla = *F. angustifolia*
ovalifolia (Wenz.) Lingelsh. = *F. uhdei*
ovalis Willd. = *F. pennsylvanica*
ovata Bosc = *F. pennsylvanica*
oxyacanthifolia Dippel = *F. xanthoxyloides*
oxycarpa Willd. = *F. angustifolia* subsp. *oxycarpa*
oxyodon Gand. = *F. excelsior*
oxyphylla M. Bieb. = *F. angustifolia* subsp. *oxycarpa*
pallida Bosc = *F. caroliniana*
palustris Raf. = *F. caroliniana*
paniculata Mill. = *F. ornus*
pannosa Vent. ex Spreng. taxon douteux
parryi Moran = *F. dipetala*
parviflora Ten. = *F. angustifolia*
pauciflora Nutt. = *F. caroliniana*
parvifolia (Wenz.) Lingelsh = *F. bungeana*.
pendula (Aiton) Hoffmanns. = *F. excelsior*
persica Boiss. = *F. angustifolia* subsp. *persica*
petenensis Lundell = *F. dubia*
petiolulata Boiss. & Kotschy = *F. ornus* subsp. *cilicica*
philippinensis Merr. = *F. griffithii*
pistaciifolia Torr. = *F. velutina*
platycarpa Michx. = *F. caroliniana*
pleurodes Raf. = *F. caroliniana*
pojarkoviana V.N.Vassil. = *F. angustifolia* subsp. *oxycarpa*
polemonifolia Poir. = *F. excelsior*
porosa Raf. taxon douteux
potamophila Herder = *F. sogdiana*
potosina Brand. = *F. anomala*
pseudo-ornus Steud. = *F. ornus*
ptacovskyi Domin = *F. angustifolia* subsp. *oxycarpa*
pubescens Lam. = *F. pennsylvanica*
pubinervis Blume = *F. longiscupis*
pubinervis Mayr [Illeg.] = *F. longiscupis*
pulverulenta Bosc taxon douteux
pumila Dippel [Invalide] = *F. excelsior*
punctata S.Y. Hu. = *F. trifoliolata*
purpurascens K. Koch = *F. excelsior*
quadrangularis Lodd. = *F. quadrangulata*
quadrijuga Nakai = *F. sieboldiana*
regelii Dippel = *F. sogdiana*
rehderi Haeckel = *F. raibocarpa*
repanda Raf. taxon douteux
reticulata Raf. taxon douteux
retota Sennen & Elias taxon douteux
retusa Raf. taxon douteux
retusa Champ. ex Benth. [Illeg.] = *F. floribunda* subsp. *insularis*
retusifoliolata K.M.Feng ex P.Y.Pai. = *F. malacophylla*
rhynchophylla Hance = *F. chinensis* subsp. *rhynchophylla*
richardii Bosc = *F. pennsylvanica*
rostrata Guss. = *F. angustifolia*
rotundifolia Mill. = *F. angustifolia*
rubicunda Bosc = *F. pennsylvanica*
rufa Bosc = *F. pennsylvanica*
salicifolia Colla = *F. angustifolia*
sambucifolia Lam. = *F. nigra*
sambucina (Blume) Koidz. = *F. platypoda*
sargentiana Lingelsh. = *F. chinensis*
sasakii Masam = *F. griffithii*
satsumana Koidz. = *F. longiscupis*
schiedeana Cham. & Schltdl. = *F. dubia*
schiedei Dippel [Invalide] = *F. dipetala*
scolopendrifolia Dippel [Invalide] = *F. excelsior*
scolopendrium Dippel [Invalide] = *F. excelsior*
shikokiana Sugim. = *F. sogdiana*
sikkimensis (Lingelsh.) Hand.-Mazz. = *F. paxiana*
simplicifolia Willd. = *F. excelsior*

smallii Britton = *F. pennsylvanica*
spaethiana Lingelsh. = *F. platypoda*
spectabilis Dippel = *F. excelsior*
standleyi Rehder = *F. velutina*
stenobotrys Gand. = *F. excelsior*
stenocarpa Koidz. = *F. chinensis* subsp. *rhynchophylla*
steudelii Medik. = *F. excelsior*
stilboantha Gand. = *F. angustifolia* subsp. *oxycarpa*
streptocarpa Gand. = *F. excelsior*
striata Dum. Cours. = *F. excelsior*
stricta Beissner = *F. excelsior*
strigata Bosc = *F. excelsior*
stylosa Lingelsh. = *F. floribunda* subsp. *stylosa*.
suaveolens W.W. Sm. = *F. paxiana* subsp. *sikkimensis*
subcordata Gand. = *F. excelsior*
subvillosa Bosc ex Pers. = *F. pennsylvanica*
syriaca Boiss. = *F. angustifolia* subsp. *syriaca*
szaboana Lingelsh. = *F. chinensis*
taiwaniana Masam. = *F. floribunda* subsp. *insularis*
tamariscifolia Vahl = *F. angustifolia* subsp. *oxycarpa*
taurica Dippel = *F. angustifolia* subsp. *oxycarpa*
tenodericarpa Koidz. taxon douteux
teres Raf. taxon douteux
tetragona Cels ex Dum.Cours. = *F. quadrangulata*

texensis A. Gray = *F. americana* subsp. *texensis*
theophrasti Duhamel ex Steud. = *F. ornus*
thrysantha St-Lag = *F. ornus*
tobana Honda = *F. sieboldiana*
tomentosa Michx. = *F. pennsylvanica*
tortuosa Dippel = *F. excelsior*
toumeyii Britton = *F. velutina*
trialata Buckley = *F. pennsylvanica*
trifoliolata (Torr.) F.H.Lewis & Epling [Illeg.] = *F. parryi*
triptera Nutt. = *F. caroliniana*
turkestanica Carrière = *F. sogdiana*
undulata Raf. taxon douteux
urophylla (G.Don) Wall. ex A.DC. = *F. floribunda*
vailhei Aubouy = *F. angustifolia* subsp. *oxycarpa*
variegata Dum. Cours. taxon douteux
vellerea Standl. & Steyerl. = *F. purpusii* subsp. *vellerea*
verecunda Koidz. = *F. platypoda*
verrucosa Dum. Cours. = *F. excelsior*
villosa Dum. Cours. = *F. americana*
viridis Bosc = *F. americana*
willdenowiana Koehne = *F. excelsior* subsp. *coriariifolia*
yamatense Nakai = *F. longiscupis*
yunnanensis Lingelsh. = *F. chinensis*