



BELGISCHE
DENDROLOGIE
BELGE

Alnus Study Day, Sept. 16, 2018

Cultivars of *Alnus* MILL. (Alder)

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Content

- 1 History of *Alnus* Cultivars
- 2 *Alnus* cultivars in dendrological works
- 3 A note on taxonomy and nomenclature
- 4 Cultivars of *Alnus* spp. (alphabetical order)
- 5 Top Ten Cultivars
- 6 Conclusions
- 7 References



1 History of *Alnus* Cultivars

***Alnus* cultivars known before 1900 (before 1800 in red)**

Alnus glutinosa 'Aurea' (VERVAENA Nursery 1860)

Alnus glutinosa foliis variegatis, LOUDON 1844, PETZOLD & KIRCHNER 1864: *Arboretum Muskaviense*

***Alnus glutinosa* 'Laciniata'**, as *Betula laciniata* EHRH., *Beitr. Naturk.*, 3: 22 (1788);

DU ROI (1795): *Harbkesche wilde Baumzucht*; WILLDENOW (1796): *Berlin Baumz.*: 44

WILLDENOW (1811): *Berlinische Baumzucht*; LODD. CAT. 1836 (LOUDON 1844)

Alnus glutinosa 'Imperialis', PETZOLD & KIRCHNER 1864: *Arboretum Muskaviense*

Alnus glutinosa 'Incisa' [as *A. oxyacanthaefolia*], LODD. CAT. 1836 (LOUDON 1844)

Alnus glutinosa 'Pyramidalis' SPAETH 1887

***Alnus glutinosa* 'Quercifolia'**, WILLDENOW (1796): *Berlinische Baumzucht*; LODD. CAT. 1836 (LOUDON 1844)

Alnus glutinosa 'Rubrinervia', DIPPEL 1892

Alnus incana 'Laciniata', LODD. CAT. 1836 (LOUDON 1844: « slightly laciniated »)

Alnus incana 'Monstrosa' (PODZAMCE Nursery, Poland cat. 1899)

Alnus incana 'Pendula' (Germany, 1892)

Alnus incana sublaciniata, PETZOLD & KIRCHNER 1864: *Arboretum Muskaviense* (Booth Cat.)

2 *Alnus* Cultivars and forms in dendrology works (a selection)

C K SCHNEIDER 1906



* Fig. 69. *Alnus*-B.: a subcordata — b-c koehnei; b f. typica, c f. plurinervis — d maritima — e rhombifolia — f-g japonica — h-h² spectabilis — i serrulata — k glutinosa f. typica — l glut. var. denticulata — m-q glutinosa: m f. quercifolia; n f. sorbifolia; o-o² f. laciniata; p-p² f. incisa; q f. imperialis — r-r² silesiaca — s-s² spuria (alles knapp 1/2 n. Gr.) (Original).



Fig. 28. a *Alnus rugosa* — b *A. viridis* — c *A. glutinosa* — d, e *A. cordata* — f *A. incana* — g *A. glutinosa* var. laciniata — h *A. rubra* — i *A. japonica* — j *A. spathulifolia* — k *A. glutinosa* var. quercifolia — l *A. g. var. sorbifolia* — m, n *A. g. var. laciniata* — o *A. glutinosa* var. imperialis — p.

BOOM 1949



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.

Hylander 1957 - 28 plates



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



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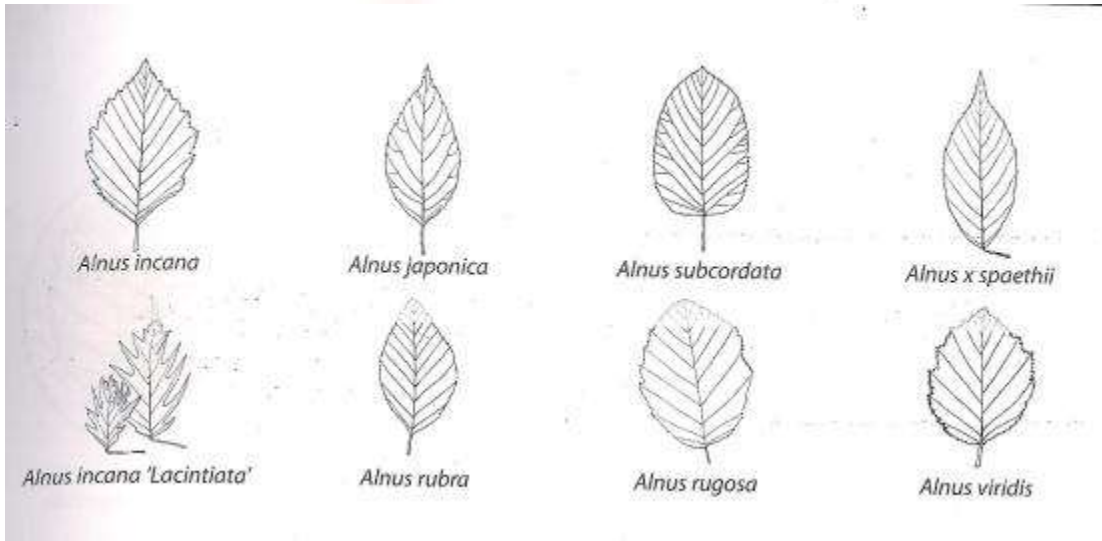
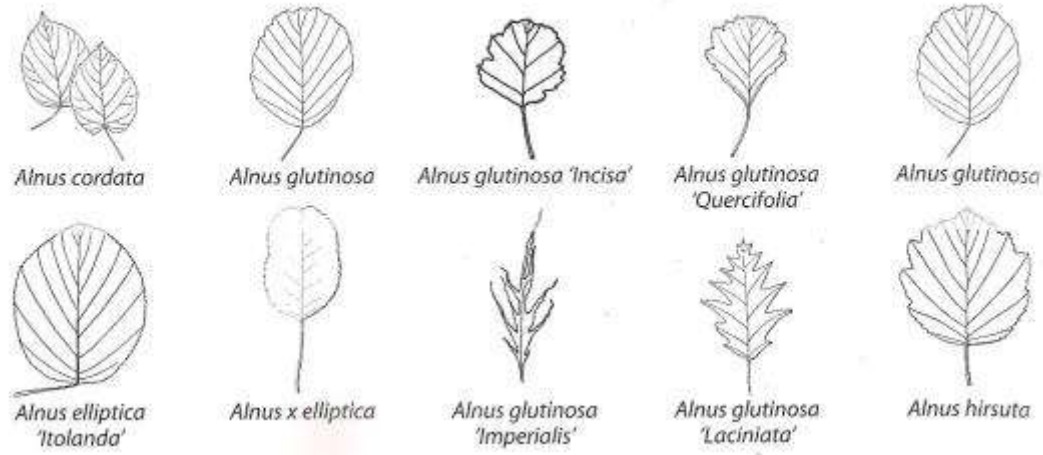


Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.



Plantago lanceolata L. - *Plantago lanceolata* L. - *Plantago lanceolata* L.

2 *Alnus* Cultivars in dendrology works



142

Alnus

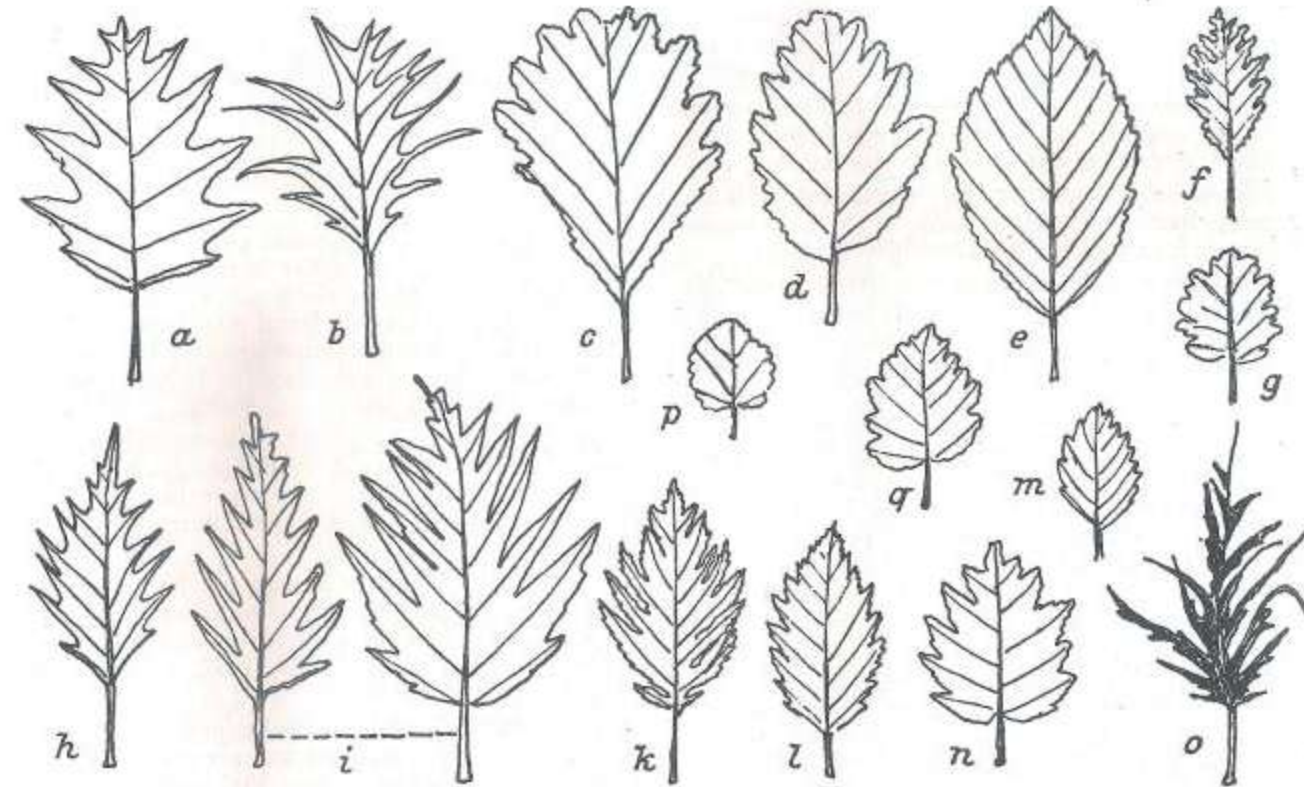


Abb. 98. *Alnus glutinosa*-Formen. a 'Laciniata'; b 'Imperialis'; c 'Quercifolia'; d 'Lobulata'; e var. *denticulata*; f f. *lacera*; g 'Incisa'; p 'Minutifolia'. — *A. incana*-Formen. h 'Darlecarlica'; i 'Laciniata'; k 'Semipinnata'; l 'Lobata'; m 'Chamaedryoides'; n 'Angermannica'; o 'Angustissima'; q 'Pinnata'

3 A note on taxonomy and nomenclature

- Nurseries: not always clear if *Alnus glutinosa* or *Alnus incana*



Alnus incana 'Pendula' as *Alnus glutinosa* 'Pendula' on a nursery website



ALNUS GLUTINOSA 'RAZZMATAZZ'

CURRENTLY UNAVAILABLE IN 2018.

★FALL COLOR

Stunning, rare form of the European Black Alder with dark green leaves exhibiting a bold, irregular, light green almost yellow margin. This brilliant color is maintained well into summer then turns golden yellow in fall. Reddish-brown catkins are followed by attractive small, persistent winged nutlets. Cherry-like bark extends seasonal interest. A broad, pyramidal tree especially useful for moist, sunny locations.

Size: 12'-15' tall x 8'-10' wide in 10 years. Plant zones: 4-7. Code: 1ALNRAZ.

Genus/Common Name: *Alnus*/European Black Alder

Light Requirements: full sun

Container Size: 2.59qt/2.45L

Most *Alnus incana* 'Razzmatazz' are under *Alnus glutinosa* 'Razzmatazz' in catalogues.

3 A note on taxonomy and nomenclature

***forma* or cultivar?**

- A ***form*** usually designates a group with a noticeable morphological deviation – **generative propagation**.
- A ***cultivar*** refers to the most basic classification category of cultivated plants in the International Code of Nomenclature of Cultivated Plants (ICNCP) – **usually vegetative propagation**.
- In *Alnus*, many *formae* are described or at least mentioned (e.g. HYLANDER 28 forms of laciniate *Alnus* from Sweden) – only a few of them may be treated as cultivar in a modern sense – propagated by graft, cutting, *in vitro* or other methods.

3 A note on taxonomy and nomenclature

forma or cultivar?

Example from Finland:

VÄRE, H. et al. (in print, 2019):

Dendroflora of Finland

– Treatment of *formae* and cultivars

- 4–6 m; haarat lyhyitä, riippuvia.
- **'Varjo' – sateenvarjoleppä**
3–4 × 8–10 m; juurivesoja muodostava; latva runsaasti haaroava, leveän laakea; haarat kärkiosasta riippuvia.

- f. *incana*
Lapa ehyt, vihreä.

- f. *angustissima* Holmb. ex Hyl., incl. **'Angustissima' – hapsuharmaaleppä**
2–4 m; lapa parijakoinen – pariosainen; liuskat hyvin kapeita, hammaslaitaisia.
- Uudellamaalla, Etelä-Hämeessä, Pohjois-Hämeessä ja Pohjois-Karjalassa, harvinainen.
- f. *aurea* Dippel, incl. **'Aurea' – keltaharmaaleppä**, gulbladig gråal
Lapa keväällä keltainen, myöhemmin vihreä. – Varsinais- Suomessa ja Pohjois-Karjalassa, hyvin harvinainen.
- f. *laciniata* Loudon, incl. **'Laciniata' – sulkaharmaaleppä**, flikbladig gråal
10–16.5 m; lapa parijakoinen; liuskat kolmiomaisia, melkein ehytlaitaisia. – Etelä- ja Keski-Suomessa, harvinainen.
- f. *lobata* Larsson
10–16 m; lapa parihalkoinen; liuskat suippoja, kolmiomaisia, lyhytsuippuisia, hammaslaitaisia. – Uudellamaalla, Etelä-Hämeessä, Etelä-Pohjanmaalla ja Pohjois-Karjalassa, harvinainen.
- f. *pinnata* (Lundmark) Willd.
Lapa 4–5 cm, tyviosasta pariosainen. – Pohjois-Karjalassa, hyvin harvinainen.
- f. *rubra* Palmén – **punaharmaaleppä**
10–14 m; lapa alkukesästä vaaleahkon viininpunainen, myöhemmin päältä viher-tyvä. – Uudellamaalla ja Pohjois-Karjalassa, hyvin harvinainen.
- f. *semipinnata* Hyl.
5–10 m; lapa tyvestä pariosainen, muuten parijakoinen tai -halkoinen. – Varsinais-Suomessa, hyvin harvinainen.



3 A note on taxonomy and nomenclature

Identical cultivar epithet in the same „Denomination class“

Alnus glutinosa 'Aurea' - *Alnus incana* 'Aurea'

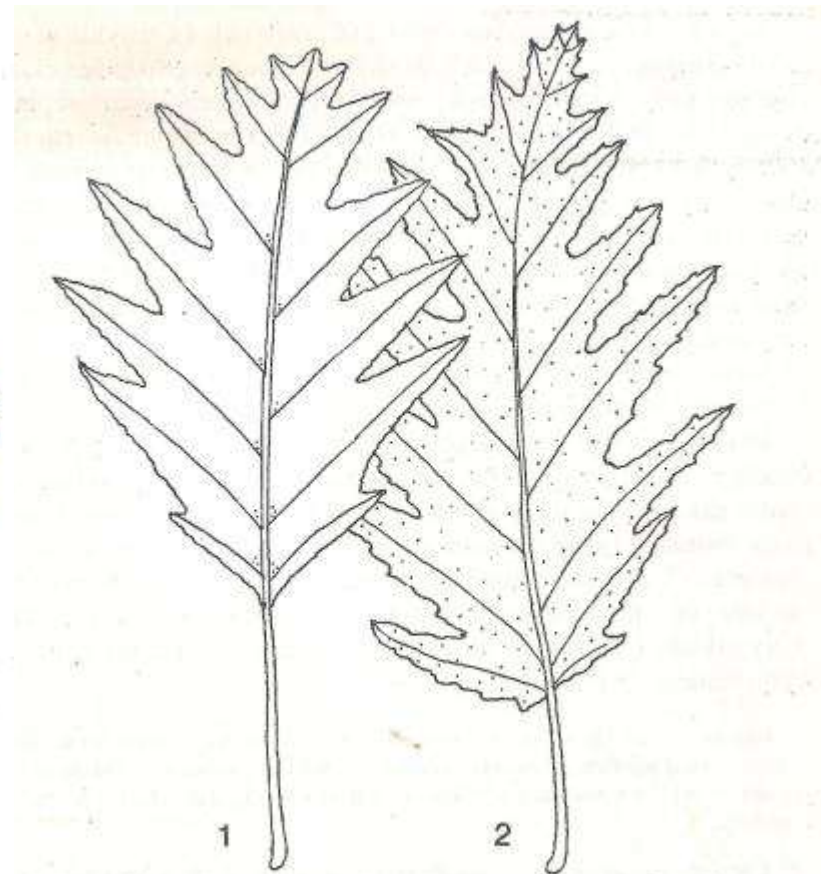
1.1.1996



3 A note on taxonomy and nomenclature

Identical cultivar epithet in the same „Denomination class“

Alnus glutinosa 'Laciniata' - *Alnus incana* 'Laciniata'



Rys. 37. *Alnus glutinosa* 'Laciniata' (1), *A. incana* 'Laciniata' (2)



4 Cultivars of *Alnus* spp. (alphabetical order)

***Alnus acuminata* 'Royal Cascade'** (Syn. „Weeping Willy“; 1991, Scott Bailey and Javmain Pty Ltd, Australia)

Selection of *A. acuminata* of spreading, prostrate weeping habit.

Plant Varieties Journal (Australia) 2000, Vol. 13 (4): 70; probably not in cultivation in Europe.

***Alnus acuminata* 'Royal Cascade'** (Syn. „Weeping Willy“; 1991, Scott Bailey and Javmain Pty Ltd, Australia)

Selection of *A. acuminata* of spreading, prostrate weeping habit.

Plant Varieties Journal (Australia) 2000, Vol. 13 (4): 70; probably not in cultivation in Europe.

***Alnus cordata* 'Purpurea'** (1927, Poland: Arboretum Kornik)

New growth purplish-brown. Probably not in cultivation.

***Alnus alnobetula* 'Grandifolia'** (DE KONING & VAN DEN BROEK 2009)

***Alnus alnobetula* 'Laciniata'** (C.K.SCHNEIDER 1906 as f. laciniata)

***Alnus alnobetula* 'Microphylla'**

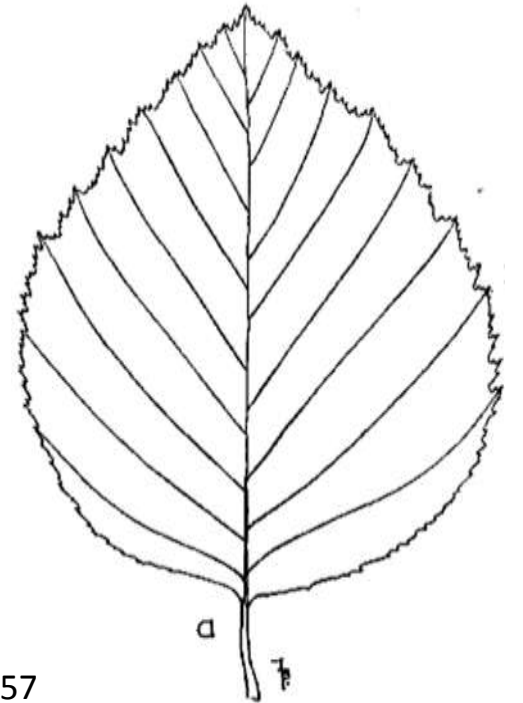
(C.K.SCHNEIDER 1906 as f. microphylla)

Names?

Probably not in cultivation.



C.K. SCHNEIDER 1906



BOOM 1957

fig. 3. a. *Alnus viridis* 'Grandifolia'; b. /

Fig. 66. *Alnus*-B.: a—f *alnobetula*: a—b var. *typica*, c f. *repens*, d var. *corylifolia*, e var. *microphylla*, e¹ var. *brembana*, f f. *laciniata*; — g *suaveolens* — h *fruticosa* — i *crispa* — k *maximowiczii* — l *sitchensis* — m *firma* (kleines B.) — n—n¹ *yasha* — o *multinervis* (kleines B.) — p—p² *cordata* — q *elliptica* — q¹ *dieckii* — r—r¹ *orientalis* (alles 1/2 n. Gr.) (Original).

***Alnus x elliptica* 'Itolanda'** (*cordata* x *glutinosa*) DOORENBOS, NL, c. 1935).

Vigorous growth, large leaves; perhaps not any more in cultivation -> *Xylella fastidiosa* [aerobic, Gram-negative bacteria].

Epithet from „Italien x Olanda“ .

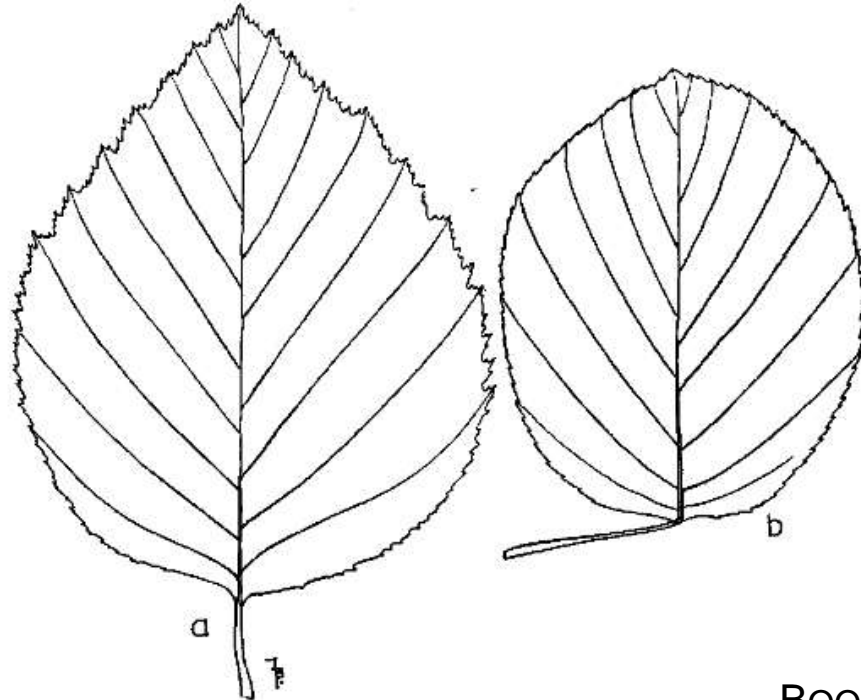


fig. 3. a. *Alnus viridis* 'Grandifolia'; b. *A. elliptica* 'Itolanda' (2/3).

BOOM 1957



Alnus glutinosa

'Aurea' (ca. 1860,
VERVAENE, Belgium).



F. Vervaeke, fils, ad. nat. p. in. in. Vervaeke

Publ. lith. de L. Desobry, à Paris

ALNUS GLANDULOSA Willd. var. **AUREA.**
Senecio Glandulosa var.

A. Vervaeke pub.

A. Verschaffelt publ.

Planche 490.

ALNUS GLUTINOSA, VAR. AUREA.

AUNE (AULNE, anciennement) GLUTINEUX OU COMMUN, var. à *feuilles dorées.*

ÉTYM. *Alnus.* Contre l'histoire, l'évidence et la raison, des étymologistes veulent voir là un mot celtique : *al*, près; *lan*, bord d'une rivière; tout d'abord, *allan* ne représenterait guère *Alnus*! Encore une fois, la langue latine n'était-elle pas entièrement formée avant la conquête des Gaules (et de l'Armorique, par conséquent!) et les invasions des Barbares en Italie?

Alnus glutinosa

'Aurea' (ca. 1860,
VERVAENE, Belgium).



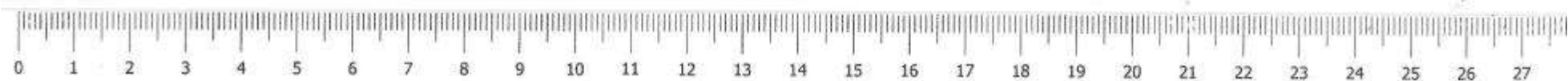
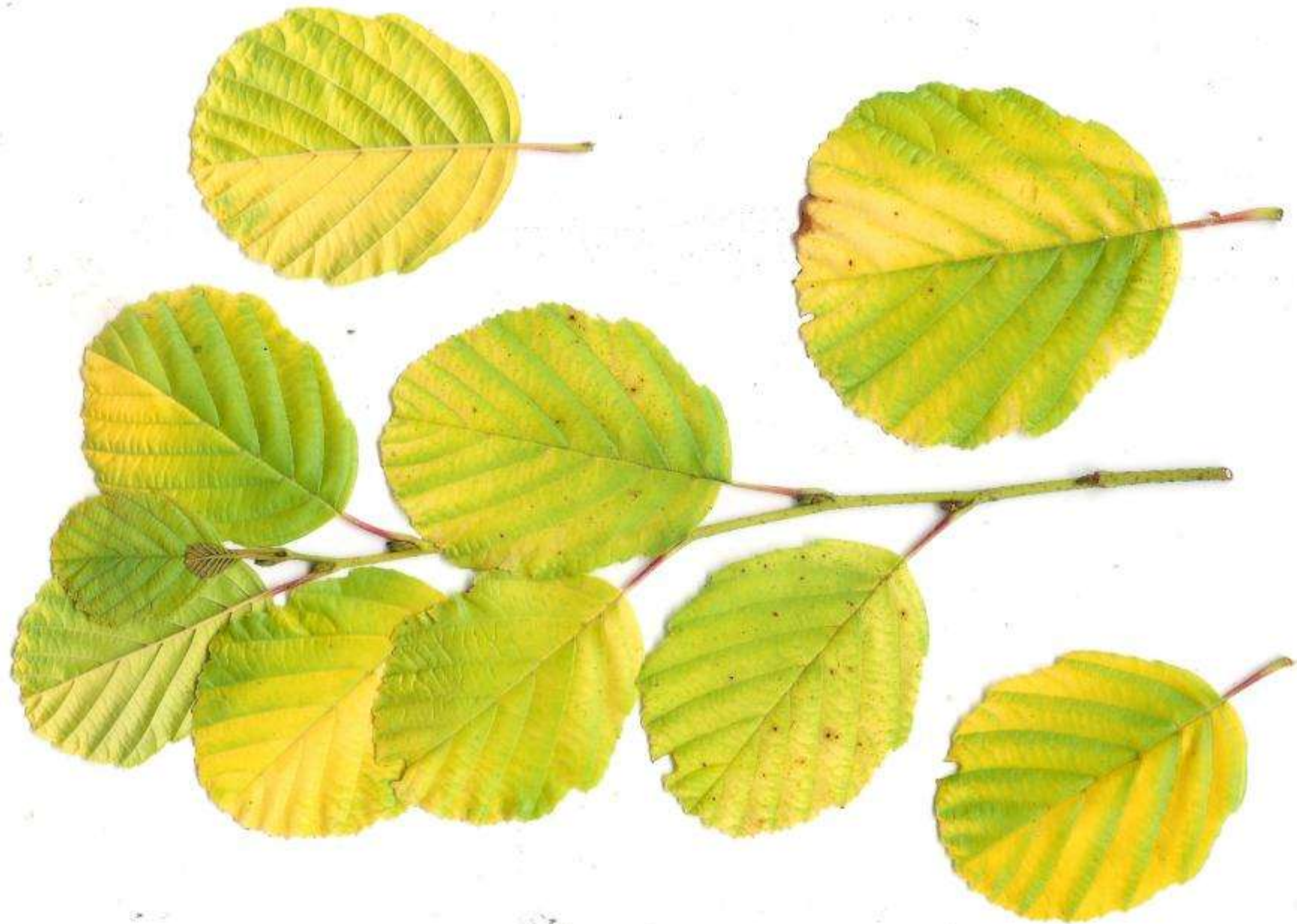
Ill. Hort. 1866, vol. 13, t. 490



H. Briscoe, c. 1870

Alnus glutinosa

'Aurea' (ca. 1860,
VERVAENE, Belgium).



***Alnus glutinosa* 'Aurea'** (ca. 1860, VERVAENE, Belgium).

CT 117 cm Späth-Berlin



***Alnus glutinosa* 'Carelica'** (or var. *carelica*; Scandinavian selection, also as 'Muhkura' or 'Mukura'). In vitro propagation.

The wood has curled grain, called "visa" formation in Finnish.



Bowl from Carelian *Alnus*

www.hws-rommersheim.de



www.metla.fi

***Alnus glutinosa* 'Cascade'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Vigorous +- pendulous form, the only *A. glutinosa*.



Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia



***Alnus glutinosa* 'Charles Howlett'** (Registered 1986 by D. M. HOWLETT, Winchester, England, selected in 1982; its origin is unknown. Various shaped and variegated, and yellow to orange streaked bark. It is slightly less vigorous than ordinary *A. glutinosa*).

New, but.... **is it in cultivation?**

***Alnus glutinosa* 'Drucourt'** (France, before 2015). Leaves variegated with large spots. No further information available. Named, but no clear if matching criteria of a cultivar yet.

In cultivation?

***Alnus glutinosa* 'Drucourt'**
Garden Breizh, Jardin de José,
Album de Oli,
2017 [http://gardenbreizh.org/
photos/Oli/photo-755276.html](http://gardenbreizh.org/photos/Oli/photo-755276.html)

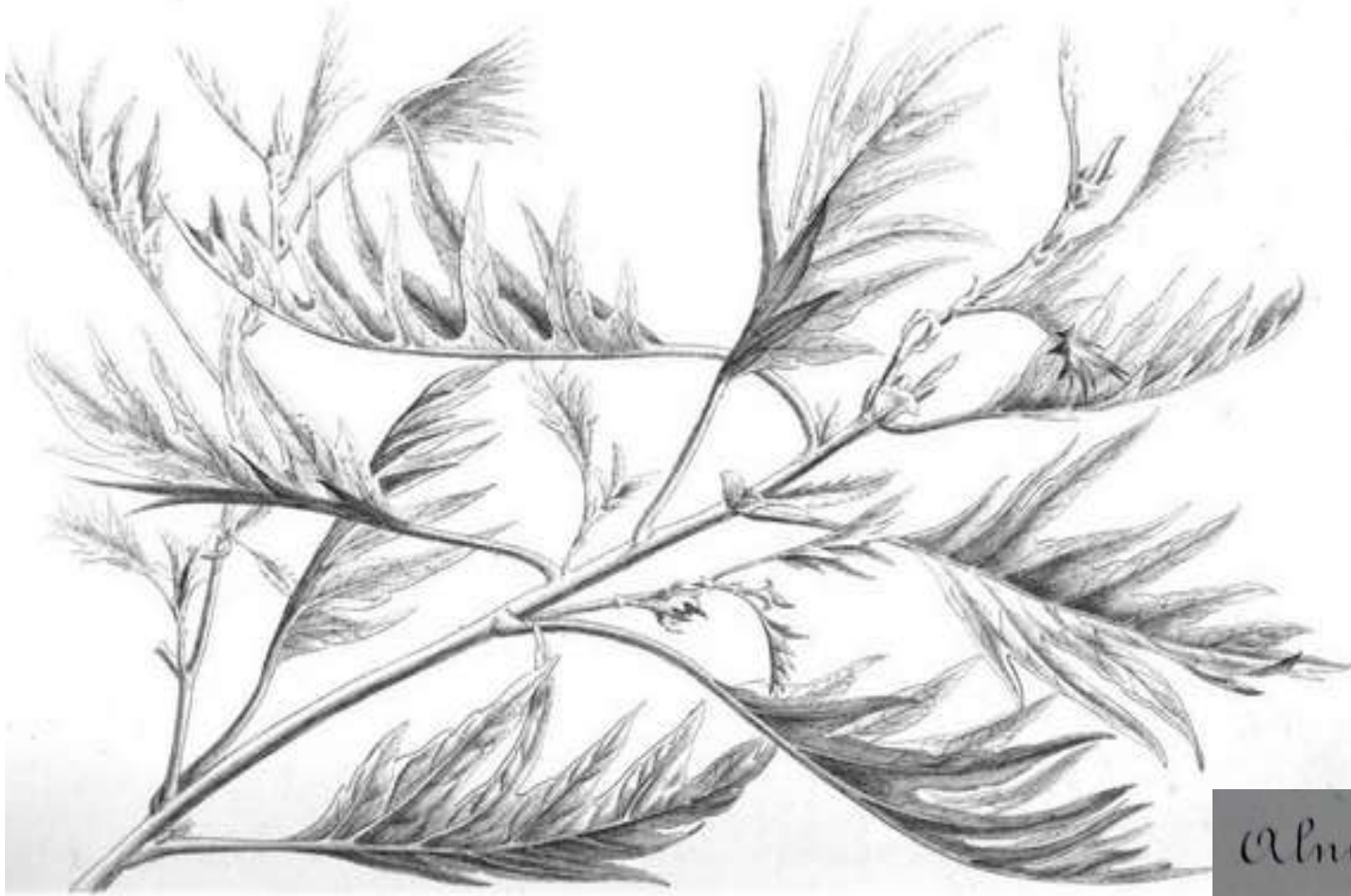


Alnus glutinosa

'Greenwood' (selected seedling by J. MAURITZ of Opheusden, Netherlands, before 2001, marketed by VAN AART Boomkwekerijen from Oudenbosch, Groenwoud; 2004 prop. by HULSDONK). 2014 GrootGroenPlus.

Upright tree with twisting branches. At a later age the main stem grows straight upwards forming an upright tree. Free flowering.





Alnus glutinosa

'Imperialis' (selected seedling by BROSSART of Alençon, France c. 1855; in cultivation in Orléans since 1858)

Slow growing and unusual, slender small tree with filigree-like, deeply cut, sea-green leaves.

Alnus Imperialis asplenifolia

Alnus Imperialis asplenifolia
Semis - France (Plein air.)
Illustration ad nat. pinu in Horto Horticola.
Imp. Lita de J. Strubant à Paris
A. Horticola 1858.

Alnus glutinosa

'Imperialis'

BT 106 cm Brugge

CT 66 cm Stuttgart-Hohenheim



Alnus glutinosa 'Imperialis'



Catalog
Zamoyski,
Podzamcze,
Poland, 1904

Alnus glutinosa imperialis. hort.
(Liść 1/1 natur. wielkości)
Cennika Nr. 626.



Hess Landscape Nursery



Alnus glutinosa
'Incisa' (Syn. *A. g.*
'Oxycanthifolia' [?])



LOUDON 1844





***Alnus glutinosa* 'Incisa'**

(Syn. *A. g.* 'Oxycanthifolia')

BT 161 cm Bierbeek

Alnus glutinosa

'**Laciniata**' (pre 1807 in Sweden; and 1819 in Paris, from where it was distributed in Western Europe)
Slower growing than species, with lacinate leaves.



Thunberg 1807



Fig. 1. Thunbergs bild av »*Betula laciniata*», dvs. *Alnus glutinosa* f. *angustiloba*. — Thunberg's figure of "*Betula laciniata*", i.e. *Alnus glutinosa* f. *angustiloba*, from Värmland. — From Thunberg 1807.

Alnus glutinosa

'Laciniata'

1538



LOUDON 1844



Full-grown tree at Syon, 60 ft. high.
[Scale 1 in. to 12 ft.]



***Alnus glutinosa* 'Laciniata'**



Alnus glutinosa 'Laciniata'



Alnus glutinosa 'Laciniata', Veitshöchheim, CT

BT 464 cm Meise

CT 310 cm Veitshöchheim Bavaria

Meise CT

***Alnus glutinosa* 'Luszyn'**

(B. SZMIT, Poland, 2016).

'Luszyn' was found in a park
in Luszyn in central

Poland by WŁODZIMIERZ

SENETA, and named by him

incorrectly as 'Pyramidalis'.

Upright, very regular,

columnar crown, much wider

than 'Pyramidalis'. Young

trees with roundish crown,

then they start growing

upright.



***Alnus glutinosa* 'Pyramidalis'**

(SPÄTH, Germany 1887 as
pyramidalis Birkiana; Syn. *A. g.*
'Fastigiata'). Different clones in
cultivation -> nomenclature?

BT 89 cm Sint-Niklaas
CT 105 Stuttgart-Hohenheim



Copyright © Jari Särkkä

Helsinki Botanic Garden



Oregon State
University,
T. Davis Sydnor



5495389

Alnus
glutinosa
'Quercifolia'
(WILLDENOW,
BERLIN, Germany
1796).



***Alnus glutinosa* 'Rubrinervia'** (DIPPEL 1892).

Red leaves, veins and stalks when young, later dark green leaves.



***Alnus glutinosa* 'Sakari'**

(Finland, before 1990).

Selected by Professor SAKARI

SAARNIJOKI of the Finnish

Forest Research Institute

(Metla) in Kotka, Finland.

15 m x 2-3 m; Helsinki's most
popular tree in narrow streets.

Populair in Scandinavia.

Similar ***Alnus glutinosa***

'Sääksmäki' (Finland, c. 2004).



Alnus glutinosa 'Sorbifolia'

In cultivation?

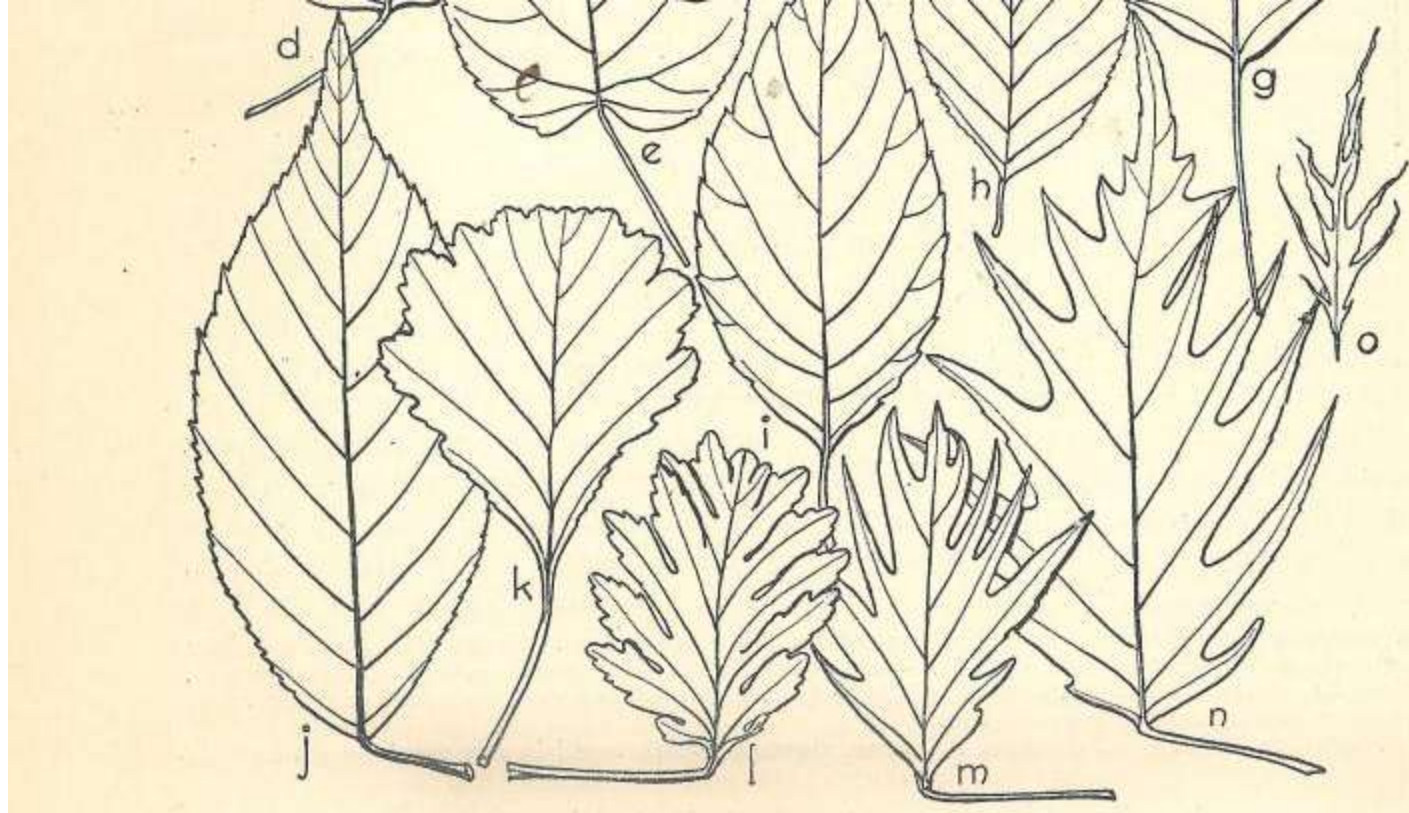


Fig. 28. *a* *Alnus rugosa* - *b* *A. viridis* - *c* *A. glutinosa* - *d, e* *A. cordata* - *f* *A. incana* - *g* *A. glutinosa* var. *laciniata* - *h* *A. rubra* - *i* *A. japonica* - *j* *A. spaethii* - *k* *A. glutinosa* var. *quercifolia* - *l* *A. g.* var. *sorbifolia* - *m, n* *A. g.* var. *laciniata* - *o* *A. glutinosa* var. *imperialis* - $\frac{1}{2}$.

Fig. 69. *Alnus*-B.: *a* *subcordata* - *b-c* *koehnei*: *b* f. *typica*, *c* f. *plurinervis* - *d* *maritima* - *e* *rhombofolia* - *f--g* *japonica* - *h-h²* *spectabilis* - *i* *serrulata* - *k* *glutinosa* f. *typica* - *l* *glut.* var. *denticulata* - *m-q* *glutinosa*: *m* f. *quercifolia*; *n* f. *sorbifolia*; *o-o¹* f. *laciniata*; *p-p¹* f. *incisa*; *q* f. *imperialis* - *r-r¹* *silesiaca* - *s-s¹* *spuria* (alles knapp $\frac{1}{2}$ n. Gr.) (Original).

***Alnus glutinosa* 'Thillie**

Trompenburg' (2018

Arboretum Trompenburg,
Rotterdam – GERT FORTGENS).

Yellow leaves, upright
pyramidal growth.



Photo: GERT FORTGENS,
Trompenburg



***Alnus hirsuta* 'Harbin'** (Prairie Horizon®)

c. 2000, Selected by the NDSU breeding program, it has proven to be the most drought tolerant *Alnus* in their trials.



Photograph: Gertens

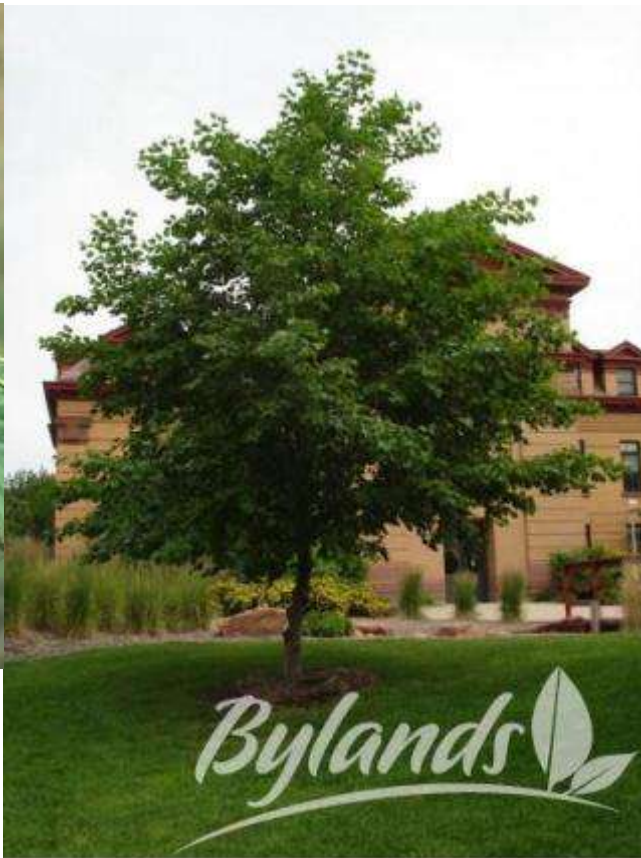
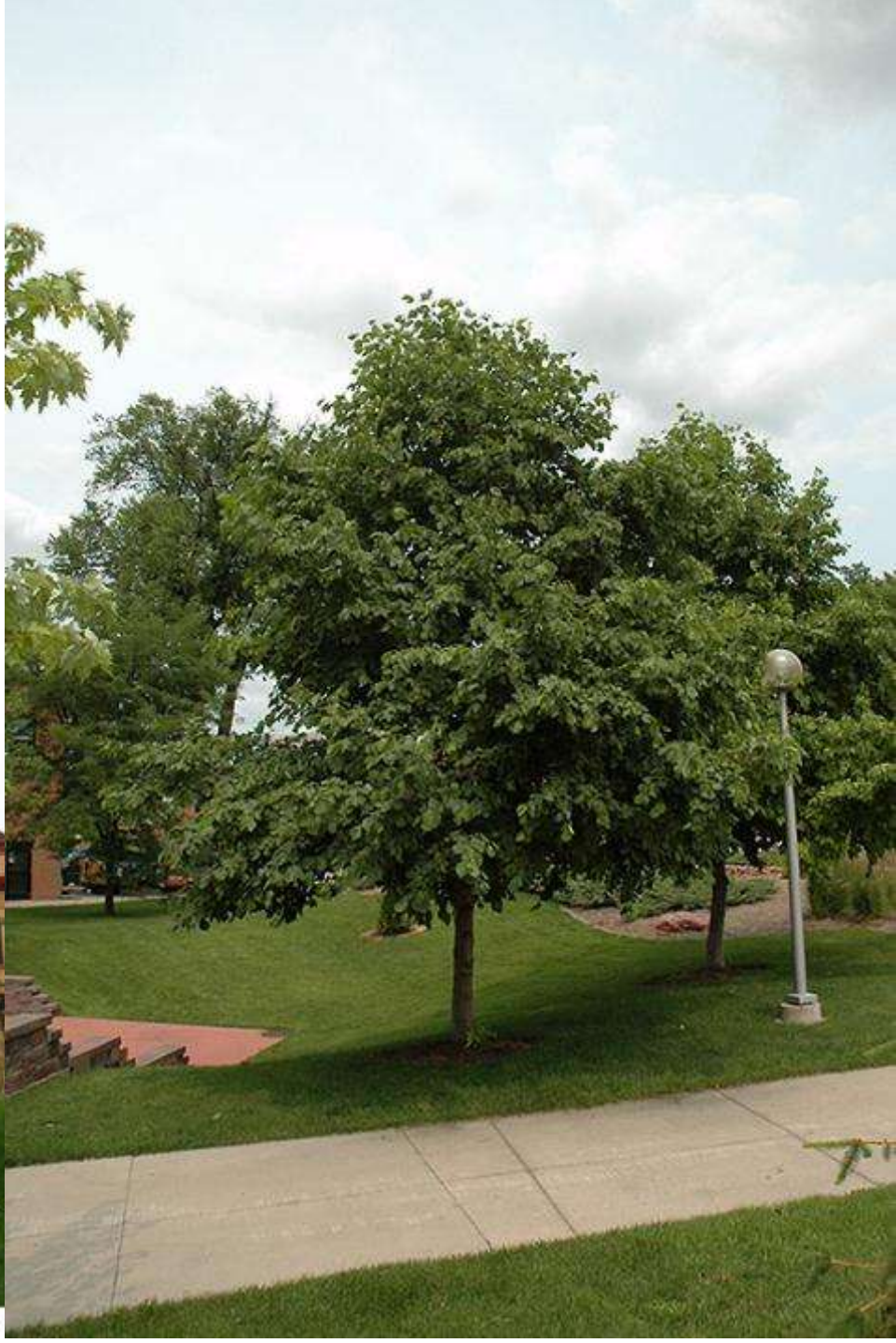


Photo Property of Bailey Nurseries, Inc.



***Alnus incana* 'Angustissima'** (Scandinavia, before 1870,
most elegant laciniate form, propagated *in vitro* in Finland)



***Alnus incana* 'Aurea'** (DIPPEL 1892). Elegant tree with yellow leaves; more frequently planted than *Alnus glutinosa* 'Aurea'

BT 61 cm Morlanwelz

CT 69 cm Späth Berlin



Alnus incana 'Aurea' (DIPPEL 1892)...

Is *Alnus incana* 'Ramulis Coccineis' the same? BEAN (1976): „leaves almost glabrous beneath“ (Pictures: Champion Tree in Wisley)



***Alnus incana* 'Elegant'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Elegant slightly weeping tree with laciniate leaves.



Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia



***Alnus incana* 'Foliis Aureomarginatis'** (Roziński 1913, Poland – rediscovered in Kornik, Poland, after years of “extinction”). Leaves with stable yellow variegation, growth slightly less than species. Similar to 'Razzmatazz' but leaves more glossy, and stable.



(C) fot. Bronisław Szmit

***Alnus incana* 'Fruticosa Aurea'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Nomen illegitim.

Breeding program to improve ornamental *Alnus*. Shrubby multistemmed tree with golden leaves and reddish catkins.



Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia



***Alnus incana* 'Gibberosa'**

(Finnish selection, also treated as forma)

“Carelica” or “Visa”-form.

Difficult propagation (in vitro)

Probably the same clone as

'Mukhura'

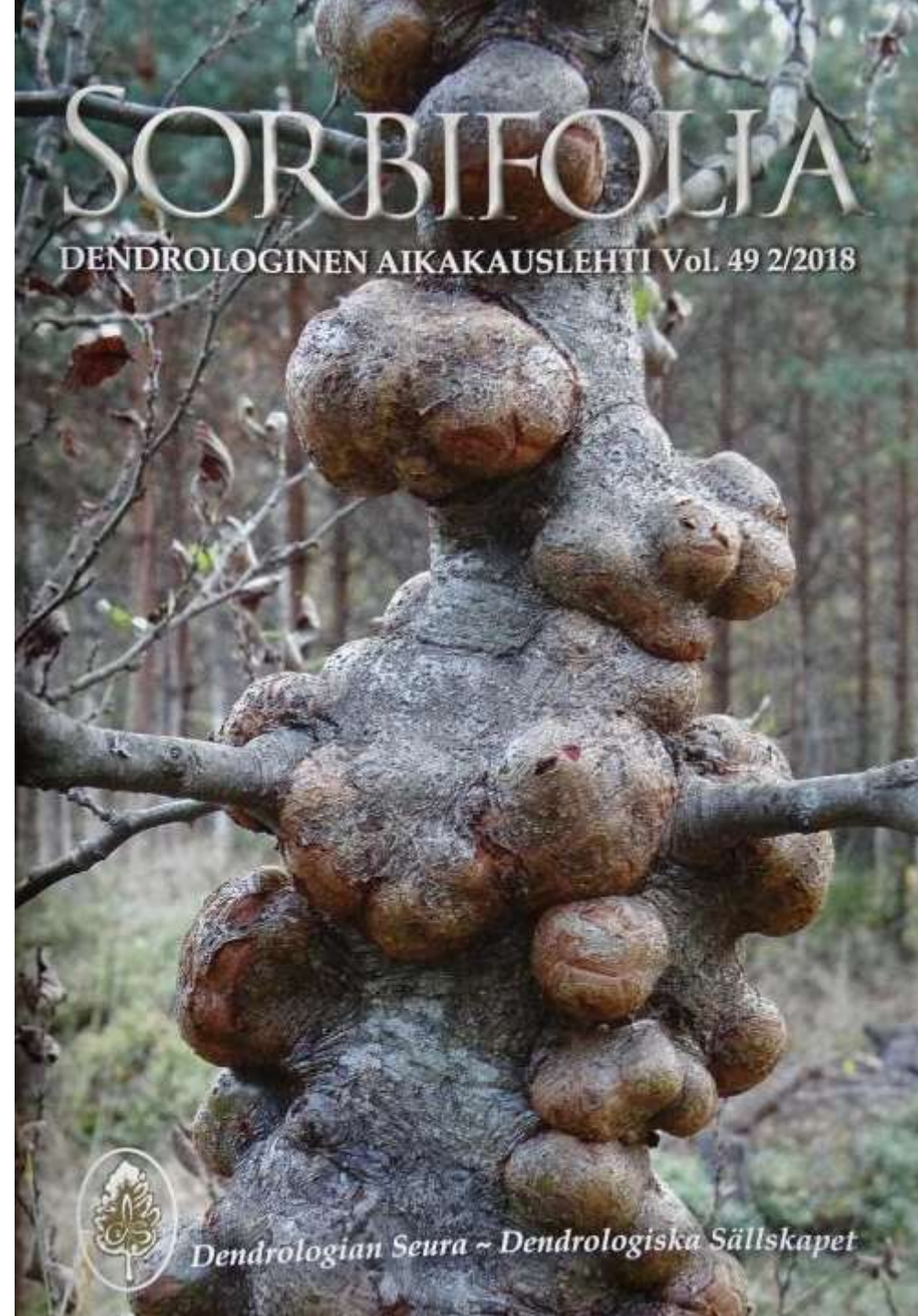


***Alnus incana* 'Gibberosa'**

(Finnish selection, also
treated as forma)

“Carelica” or “Visa”-form.

Difficult propagation (in vitro)





***Alnus incana* 'Gold Cascade'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Small tree, golden leaves, prominent reddish buds and catkins, and pendulous habit.



Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia



***Alnus incana* 'Gold Fountain'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Small tree, golden leaves, prominent reddish buds and catkins, and pendulous habit.



Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia



***Alnus incana* 'Green Fountain'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Pendulous upright habit.

Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia





***Alnus incana* 'Johanna'** (Tyllilä Taimityöllä Oy, Finland, before 2008). Seedling of 'Laciniata' – but smaller, with lacinate leaves. Easier to propagate *in vitro*.

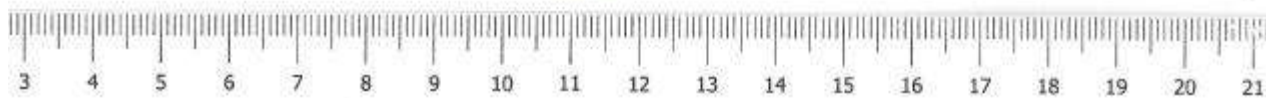




***Alnus incana* 'Laciniata'** (Syn. 'Acuminata', 'Pinnata') before 1860, FCC 1873

BT 38 cm Bruxelles

As 'Laciniata' in Průhonice, CZ, but different type. Photo KRIS MICHIELSEN





***Alnus incana* 'Laciniata'** (Syn.

'Acuminata', 'Pinnata') before 1860,

FCC 1873





***Alnus incana* 'Monstrosa'**

(SPÄTH, 1892).

Shrubby habit, fasciated shoots –
rediscovered in Kornik,
+- short living when grafted on stem,
must be grafted deep on rootstock)



Photo: BRONISLAW,
SZMIT, Poland.

Arszyn=71, stopa=29, werszek=4½, cal=2½ centymetrom.

NAZWY DRZEW I KRZEWÓW

623	<i>Alnus glutinosa</i> . Gaertn.	Olsza czarna	**
624	" "	" "	**
625	" "	" "	**
626	" <i>imperialis</i> . hort.	" cesarska	SZCZ
627	" <i>quercifolia</i> W.	" dębolistna	SZCZ
628	" <i>incana</i> . Willd. (D. C.)	" biała	**
629	" <i>laciniata</i> . hort.	" o liściach głęboko wycięt., b. ładna	SZCZ
630	" "	" "	SZCZ
631	" <i>monstrosa</i> . hort.	" różnokształtna	SZCZ
632	" <i>pendula nova</i> . hort.	" płacząca	SZCZ
633	" <i>tinctoria</i> . hort. (sibińska, Fisch.)	" farbiarska	SZCZ
634	" <i>macrophylla</i> (orientalis). hort.	" wielkolistna	SZCZ
635	<i>Amorpha fruticosa</i> . L.	Indygo krzewiaste	**
636	<i>Ampelopsis quinquefolia</i> . Mich.	Wino dzikie	**
637	" "	" "	**
638	<i>Aristolochia Siph.</i> L.	Kokornak	**

Alnus incana 'Monstrosa' (SPÄTH, 1892).



Catalog of A. ZAMOYSKI nursery, Podzamcze, Polen 1905; since 1895

W. SENETA 1991: Dendrologia, vol. I

-- 'Monstrosa' -- odm. dziwna

Niski i szeroki krzew z pędami staśmionymi. „Drzewko z dziwnie pokręconymi pędami i osobliwym liściem” (z kat. Podzamcza).

Pochodzenie – od Spätha przed 1892. Podz. 1895.

W Polsce – szkółki – Podz. 1895–1912, Fred. 1931. Ogrody – Kórn. 1925 od Hessego 1 szt. (brak?), Pozn. Ogr. Bot.



***Alnus incana* 'Pendula'** (pre 1893 Germany, VAN DE BOM, NL, and ZAMOYSKI, Podzamcze, PL, pre 1903)

BT 90 cm Aalst



Photo Simo Laine, Turku FIN



Catalog Zamoyski
nursery, Podzamcze
Poland 1904

Alnus incana pendula nova. Hort.

(Wysoko szczepione drzewko)

Cennika № 420.

Fig. 85.



www.sad-24.ru



Uppsala Bot.
Garden, Sweden
B. Szmit, Poland

Alnus incana 'Pinnata'

Scandinavian variety, small tree, in botanical collections; widely unknown but mentioned by C.K. SCHNEIDER 1906 or KRÜSSMANN 1976.

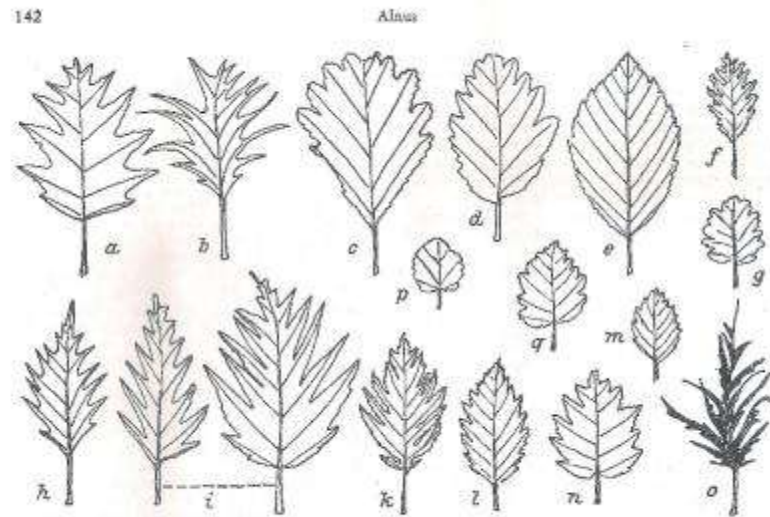


Abb. 98. *Alnus glutinosa*-Formen. a 'Lacinata'; b 'Imperialis'; c 'Quercifolia'; d 'Lobulata'; e var. *denticulata*; f f. *lacera*; g 'Incisa'; p 'Mittelfolia'. — *A. incana*-Formen. h 'Darioleatica'; i 'Lacinata'; k 'Semi-pinnata'; l 'Lobata'; m 'Chamaedryoides'; n 'Angermannica'; o 'Angustissima'; q 'Pinnata'

Alnus incana f. *pinnata* (LUNDMARK) CALL. — Sk Lund: Botanic Garden, coll., J. G. Gunnarsson 1914 (S).

HYLANDER 1957

Alnus incana 'Razzmatazz'

USA, pre 2000, often as *A. glutinosa* ! Similar to *A. i.* 'Foliis Aureomarginata' but not stable (reverting) and fading out in late summer

Photo EJ 06. Sept. 2018



Alnus glutinosa
'Razzmatazz',
Variegated Alder

\$36.50

SIZE

3 qt

ADD TO CART

[More info about our plant sizes.](#)

Please [email us](#) to confirm at-nursery availability that are too big to ship.

Dancing Oak Nursery



©Arboretum Variegatum fb

Alnus incana 'Rubra'

Scandinavia, red leaves, treated as forma or cultivar, *in vitro* in Finland.



Photographs: SIMO LAINE, Botanical Garden Turku, Finland



***Alnus incana* 'Tabulaeformis'**

Name? Scandinavian variety, small tree with nearly horizontal pendulous growth, in botanical collections; widely unknown



Photographs: SIMO
LAINE, Botanical
Garden Turku,
Finland

Alnus incana 'Varjo'

selection from Finland - small tree with wide horizontal growth, 3-4 x 8-10 m, widely unknown outside Finland

Photograph: SIMO LAINE, Botanical Garden Turku, Finland



HENRY VÄRE (2019, in statu nascendi): Dendroflora of Finland

2aa. var. *incana* – viherharmaaleppa

Lapa harvakarvainen.

– 'Gibberosa' – mukuraharmaaleppa

3–5 m; runko mukurainen.

– 'Johanna'

5–10 m; lapa parihalkoinen; liuskat pitkasuippuisia, hammaslaitaisia.

– 'Pendula' – riippaharmaaleppa

4–6 m; haarat lyhyita, riippuvia.

– 'Varjo' – sateenvarjoleppa

3–4 x 8–10 m; juurivesoja muodostava; latva runsaasti haarova, levean laakea; haarat karkiosasta riippuvia.





***Alnus incana* 'Wonderful Fountain'** (Arboretum Borova Hora, Zvolen, Slovakia, before 1998). Breeding program to improve ornamental *Alnus*. Pendulous upright habit, laciniate leaves.

Photo: IVANA SARVAŠOVÁ,
Arboretum Borová hora, Zvolen,
Slovakia





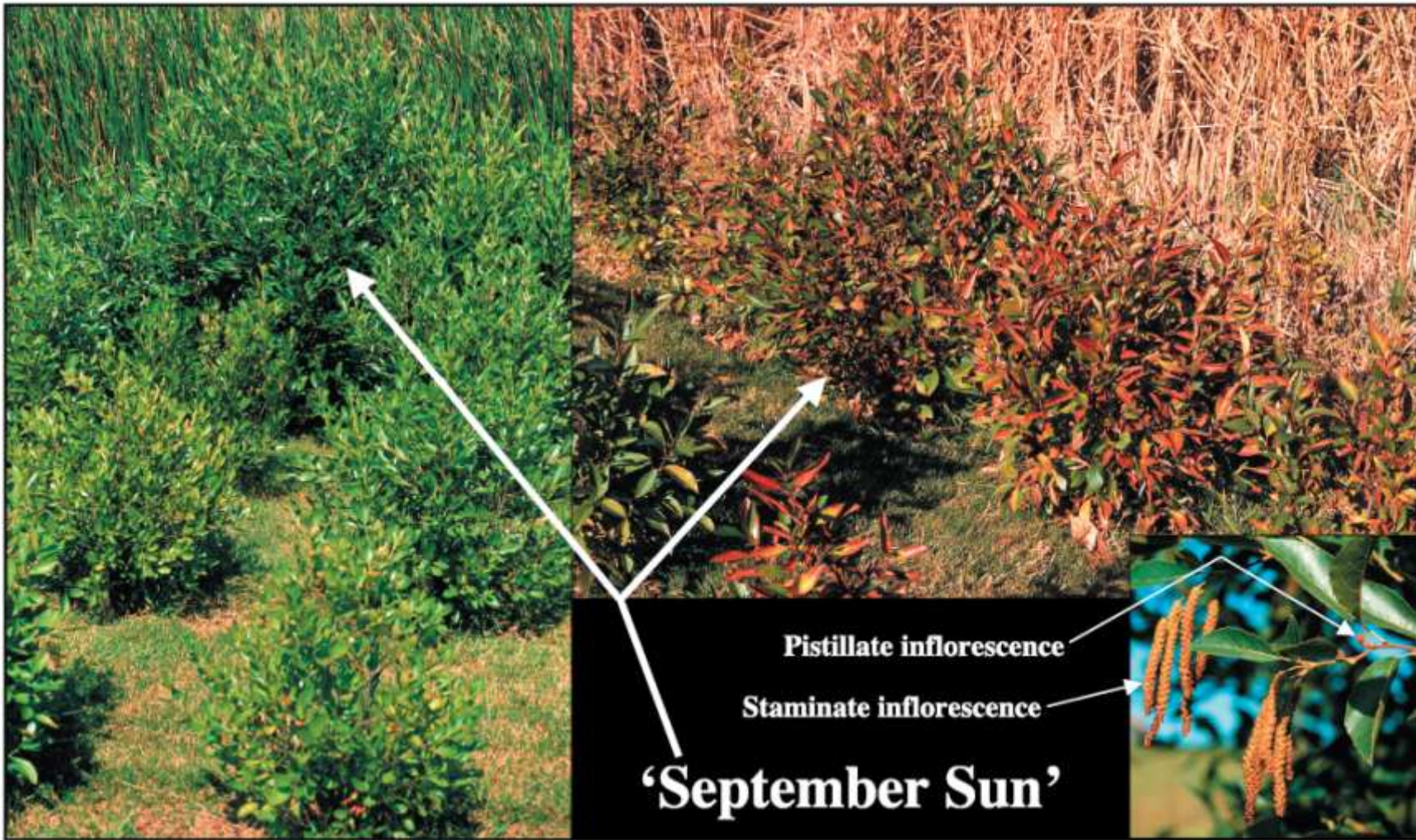
***Alnus incana* subsp.**

***rugosa* 'Tomophylla'**

(Canada, 1911) Name? Also treated as var., in cultivation in US around 1930.

Lacinate leaves.

From Michigan State University Herbarium



Alnus maritima

'September Sun' (Prof. WILLIAM R. GRAVES, Dept. of Horticulture, Iowa State Univ., USA, 1998/2002)

„The new cultivar is distinguished from the typical species by its faster growth rate, dense canopy, and uniform habit of multiple trunks that form an upright-oval shape. The name 'September Sun' refers to the yellow catkins that are produced in September.”

Fig. 1. The original 'September Sun' growing on the campus of Iowa State Univ., Ames. The left image shows the plant on 10 Aug. 2000, near the end of its third season of development from a seed. The main image to the right depicts 'September Sun' on 1 Nov. 1999, when autumnal leaf coloration was evident. Both of these images show other, slower-growing genotypes of *Alnus maritima* subsp. *oklahomensis* that were propagated from seed and planted in the field at the same time as 'September Sun'. The inset to the lower right shows staminate and pistillate inflorescences of 'September Sun' on 24 Sept. 2002 near Ames, Iowa.



***Alnus rubra* 'Pinnatisecta'** (USA

before 1920)

Lacinate leaves, also wild sources

known. This a named clone of

f. *pinnatisecta*. +- true from seed.





***Alnus serrulata* 'Panbowl'** (2002, USDA-NRCS Alderson Plant Materials Center, P.O. Box 390, Alderson, WV 24910) The cultivar produces numerous flexible stems and fibrous roots and is longer living than the typical species.



Picture of *A. serrulata*: www.davesgarden.com

Alnus 'Sipkes' (1968, The Netherlands; found ca. 1965 by C. SIPKES in the „Russenduin“ in Bergen am Zee, NL). Uniformly upright with ovate crown, 20 m. (H VAN DE LAAR: Dendroflora 25,1988). Thought to be a hybrid of *A. cordata* x *A. incana* and thus named *A. 'Cordinca'* or *A. x cordinca* (1968), and *A. x cordinca 'Sipkes'* (1978), but later rejected.



www.ebben.nl



***Alnus x spaethii* 'Spaeth'** (*Alnus japonica* x
A. subcordata; SPÄTH nursery, Berlin 1894)

Excellent: GALK, Dendroflora 1972 ***, Uniformly
upright with ovate crown, 20 m.

The original clone with cultivar epithet.

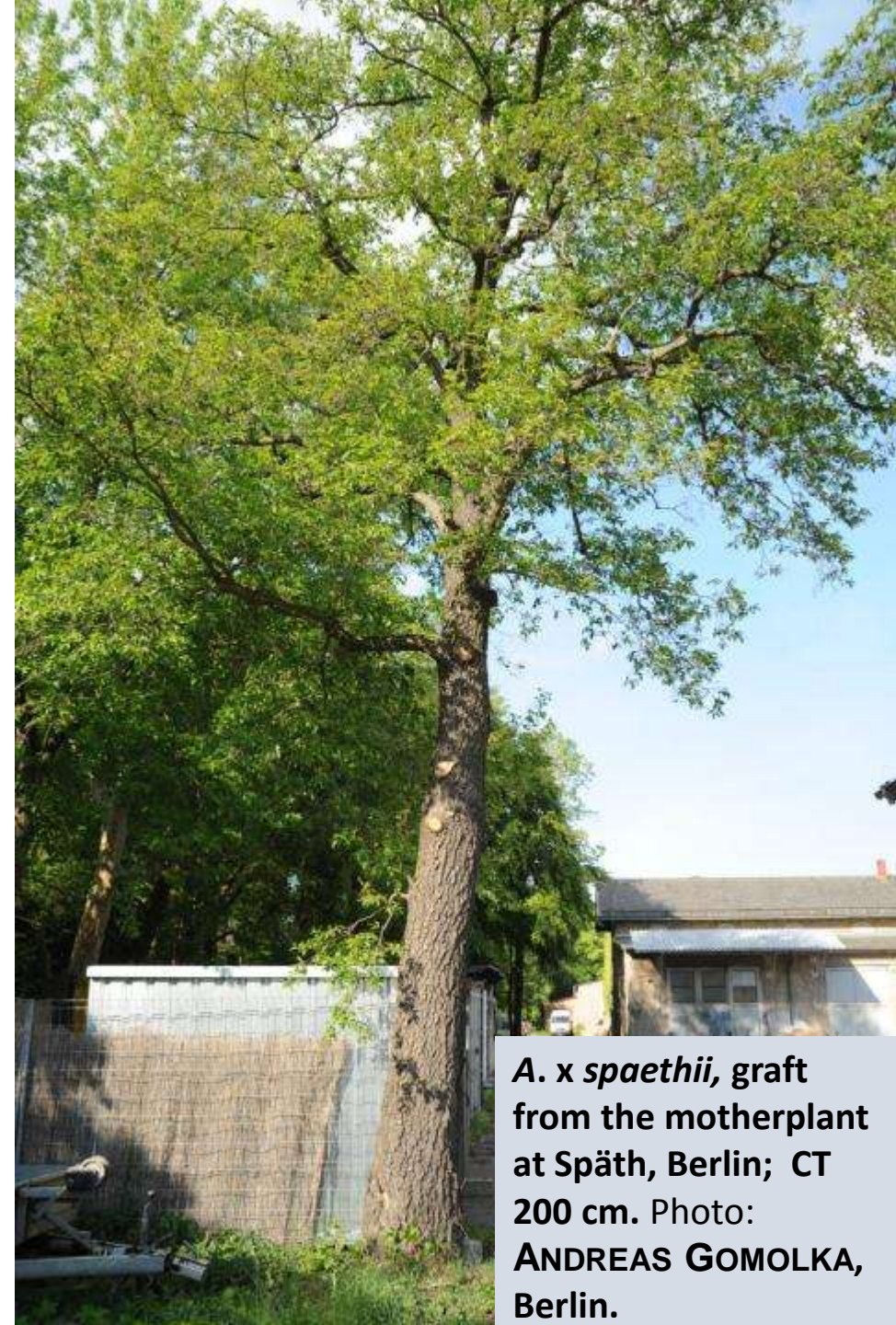
BT 242 cm (*x spaethii*) - Kalmthout

BT 90 cm 'Spaeth' - Bruxelles

CT 223 cm - Essen / 200 cm - Späth, Berlin



Original photograph
from Späth catalog
1930



***A. x spaethii*, graft
from the motherplant
at Späth, Berlin; CT
200 cm. Photo:
ANDREAS GOMOLKA,
Berlin.**

***Alnus subcordata* 'Oberon'** (DOORENBOS, Den Haag NL, c. 1955). Small, conical crown.



5 Top „Ten“ Cultivars (missing two up to you!)

Alnus glutinosa 'Laciniata'

Alnus glutinosa 'Imperialis'

Alnus glutinosa 'Pyramidalis'

Alnus glutinosa 'Sakari'

Alnus incana 'Angustissima'

Alnus incana 'Aurea'

Alnus incana 'Laciniata'

Alnus x spaethii 'Spaeth'

6 Conclusions and Thoughts

- Cultivars of *Alnus* are not in focus (except 2-3) – why? Are there too many problems with them? Are they anchored in the mind of landscape architects etc? Is there any promotion for this group of trees?
- *Alnus* cultivars are part of the horticultural and cultural heritage
- Survival of many cultivars only in „Plant Arks“ (specialized nurseries like those of B. & J. SZMIT or KRIS MICHELSEN, reference & botanical collections like Trompenburg (NL) or Kórnik (Poland), Lost Cultivar Project,...)
- They are part of the biodiversity (of ornamental plants): programs by EU
- Is there a need for new selections? (Healthiness; matching modern criteria for landscaping and use as urban tree -> *Alnus incana* is rated as top „Klimabaum“ (climate tree) in Germany) -> fastigate *A. incana*...



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Alnus incana 'Aurea' www.alamy.com J1KXFG

Thanks to

Bronisław Szmit, Poland;
Simo Laine, Turku & **Henry Väre**,
Helsinki, Finland;
Gert Fortgens, Rotterdam,
Netherlands;
Stefan Lura, Washington, USA,
Ivana Sarvašová, Zvolen, Slovakia,
Andreas Gomolka, Berlin, Germany,
Kris Michielsen, Kampenhout,
Belgium,
and to **Abraham Rammeloo**, **Pierre
Lhoir & Dirk de Meyere** and to all
others involved in the organisation of
the *Alnus* Study Day,
and **to you** for your patience and
interest in *Alnus* cultivars.