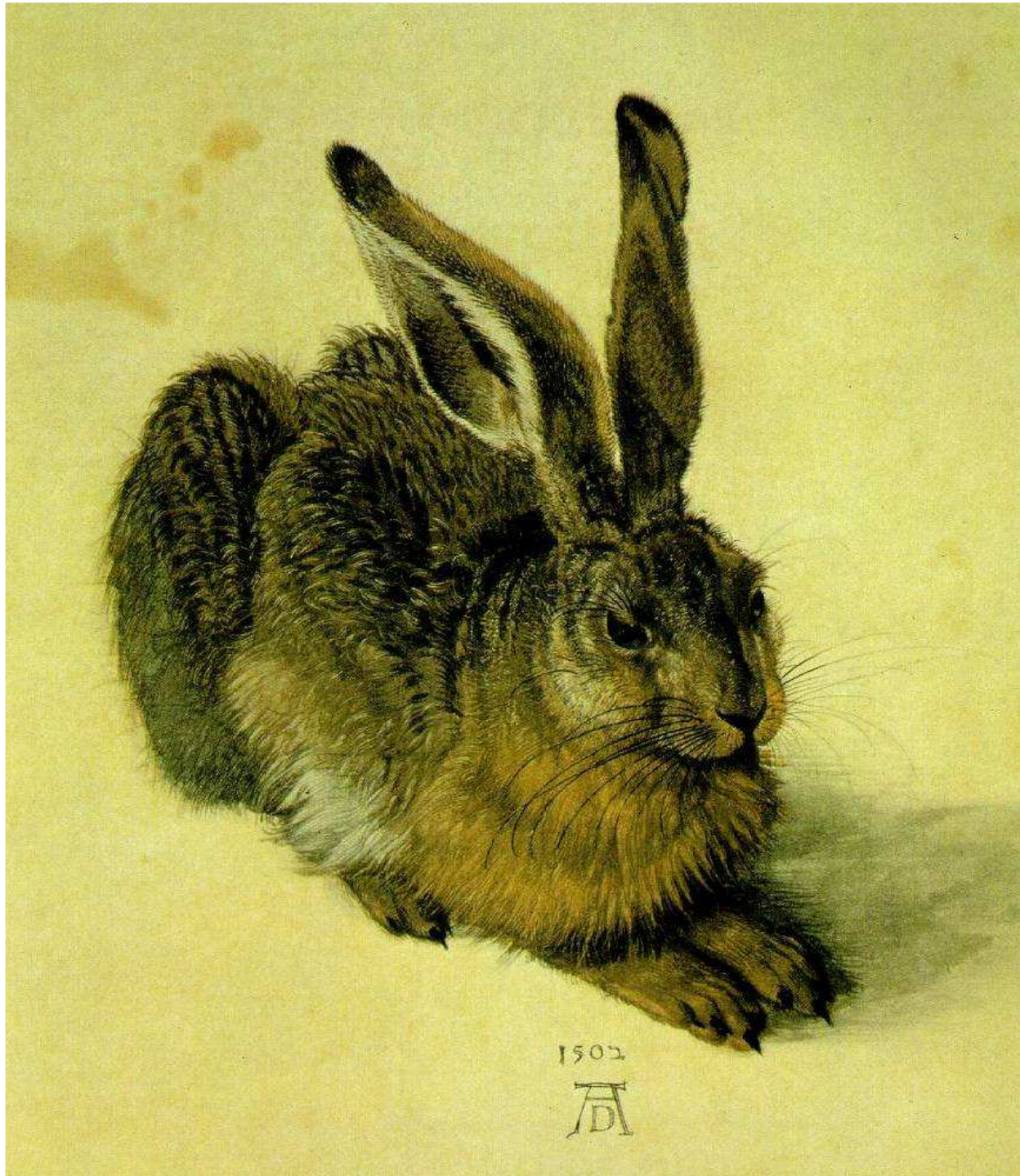


Pázsitfüvek



Dürer: A Young Hare
1502 (140 kB);
Watercolor and gouache
on paper, 25 x 23 cm;
Graphische Sammlung
Albertina, Vienna

Dürer: The Large Turf
1503 (180 kB);
Watercolor and gouache on paper,
41 x 32 cm;
Graphische Sammlung Albertina,
Vienna



MACDONALD COLLEGE

MCGILL UNIVERSITY

Technical Bulletin No. 16

THE IDENTIFICATION OF CERTAIN
NATIVE AND NATURALIZED HAY
AND PASTURE GRASSES BY THEIR
VEGETATIVE CHARACTERS

PASTURE STUDIES IX

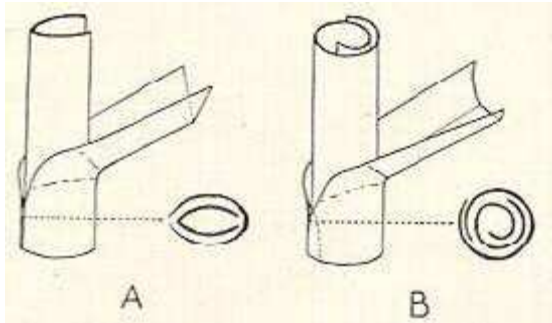


BY
F. S. NOWOSAD
D. E. NEWTON SWALES
AND
W. G. DORE

MACDONALD COLLEGE, P. Q., CANADA
JANUARY 1938

Revised and Reprinted March 1938
reprinted 1964

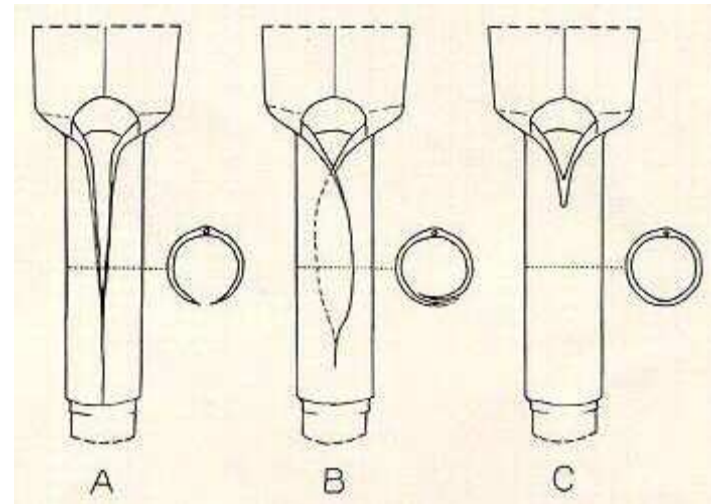
MacDonald College, McGill University, Technical, Revised 1938



Vernation types:

A-Leaf folded in the bud-shoot.

B-Leaf rolled in the bud-shoot

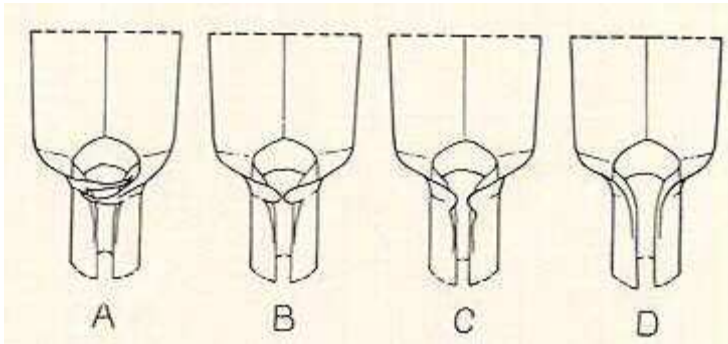


Sheath types:

A-Split.

B-Split to near base with margins overlapping.

C-Closed.



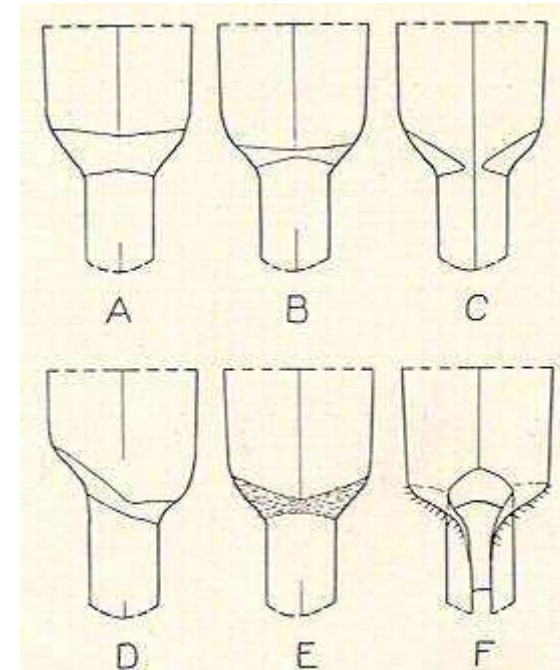
Auricle types:

A-Clawlike.

B-Rounded.

C-Rudimentary.

D-Absent.



Collar types:

A-Broad band.

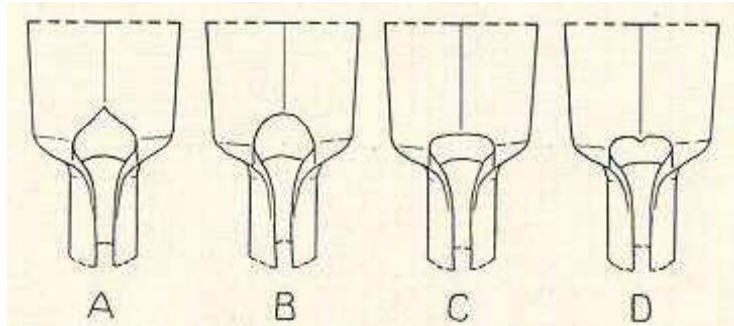
B-Narrow band.

C-Divided by midrib.

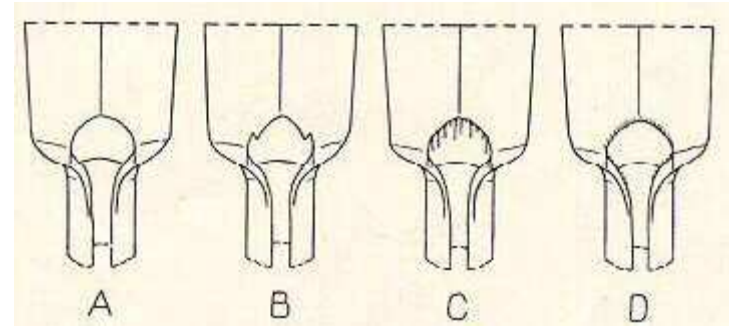
D-Oblique.

E-Pubescent.

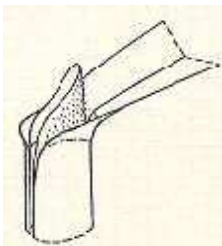
F-Ciliate.



Ligule shapes:
 A-Acute.
 B-Rounded.
 C-Truncate.
 D-Emarginate



Ligule margins:
 A-Entire.
 B-Notched.
 C-Lacerate.
 D-Ciliate



Ligule pubescent on back.

Gabonáink összehasonlítása

levéllemez

nyelvecske

fülecske

levélhüvely

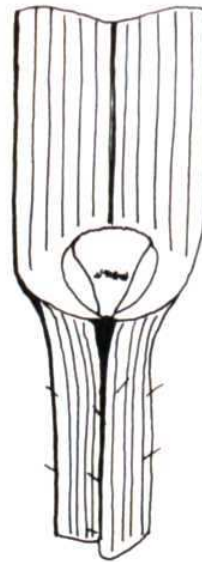
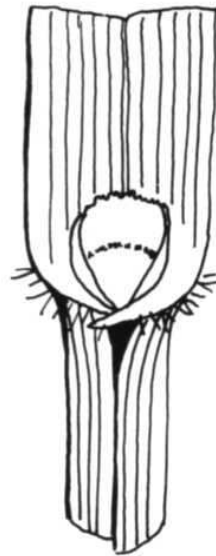
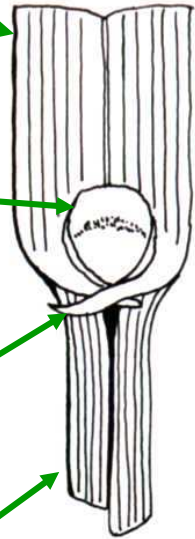
árpa

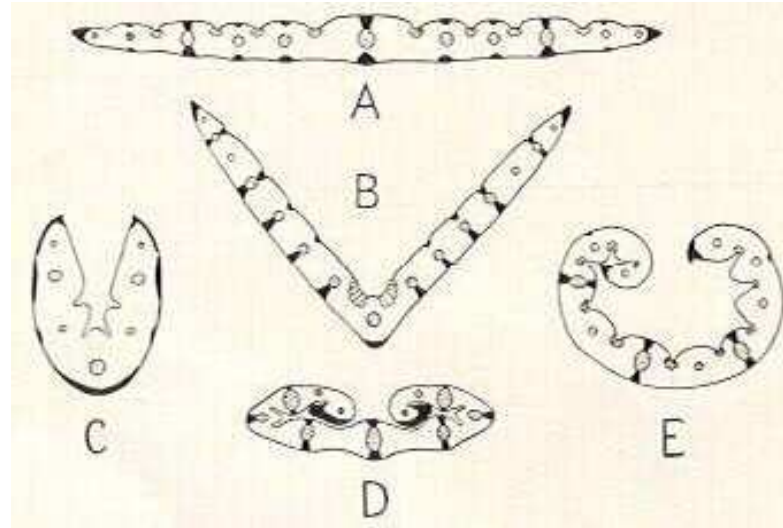
búza

rozs

zab

„Gabona abc”:
a fülecskék egyre
rövidebbek, a zabon
már hiányoznak.





Blade shapes in transverse section:

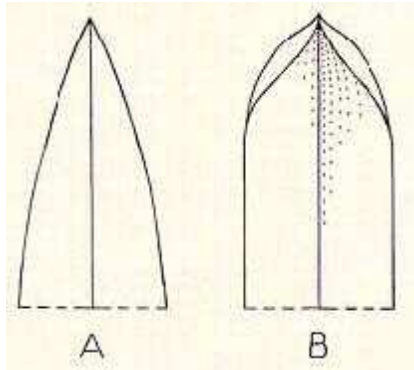
A-Flat (Agropyron repens).

B-V-shaped (Poa pratensis).

C-Bristle-like (Festuca ovina).

D-Involute (Danthonia spicata).

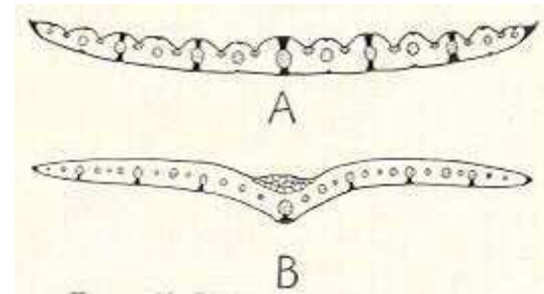
E-Rolled. with involute margins (Agrostis tenuis).



Blade tips:

A-Taperpointed apex.

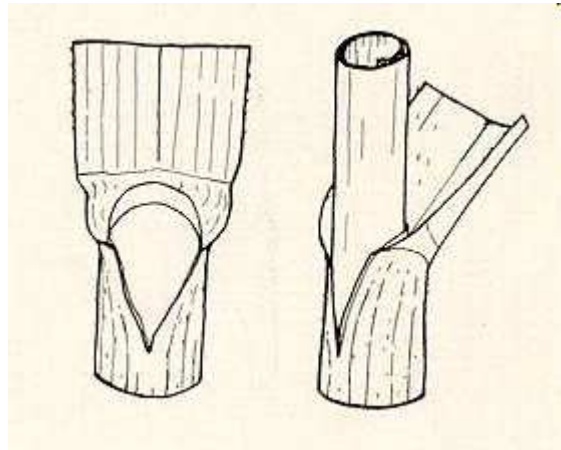
B-Boat-shaped apex.



Blade surfaces:

A-Ridged and not keeled (Agrostis alba).

B-Not ridged and keeled (Echinochloa crusgalli).



Bromus inermis

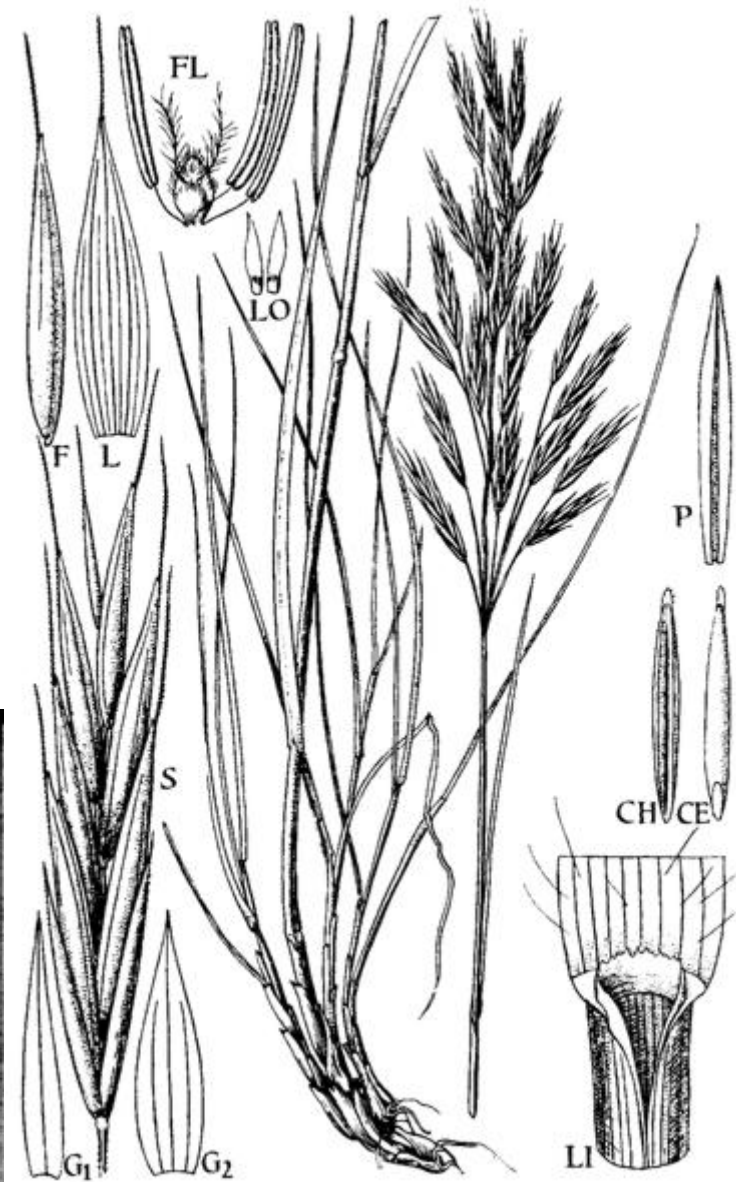


Leaves rolled in the bud-shoot. **Sheath** not compressed, slightly or not at all keeled, glabrous or the lower rarely sparse-pubescent, scabrous, closed to near the summit. **Auricles** absent or rarely rudimentary. **Collar** narrow, glabrous, light green, divided. **Ligule** membranous, short (about 0.5 mm. long), obtuse, entire or slightly lacerate. **Blade** 4 to 12 mm. wide, 15 to 40 cm. long, flat, tapering to a sharp point, glabrous but sometimes minutely pubescent on both surfaces, dark green, almost ridgeless above, slightly keeled below; margins scabrous.

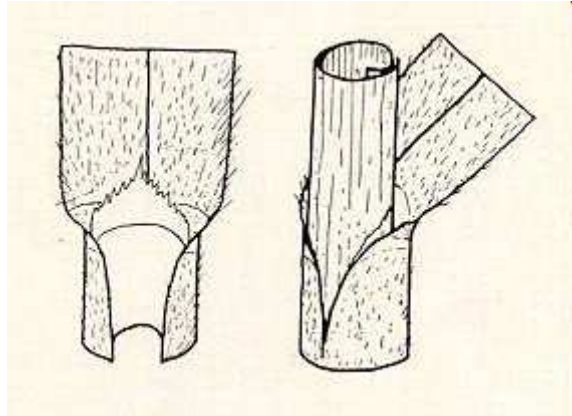
Bromus erectus

zárt levélhüvely
szőrös levelek, levélél pillás

San Marino: Eichenwald und Bromus erectus-Wiese
mit Teilnehmern an der Internationalen Phytographischen Exkursion.
Oben v.l.n.r.: Frau G. Braun-Blanquet,
Frl. Dr. Messeri, Dr. Conti.
Sitzend: links: Dr. Aichinger,
rechts: Dr. J. Braun



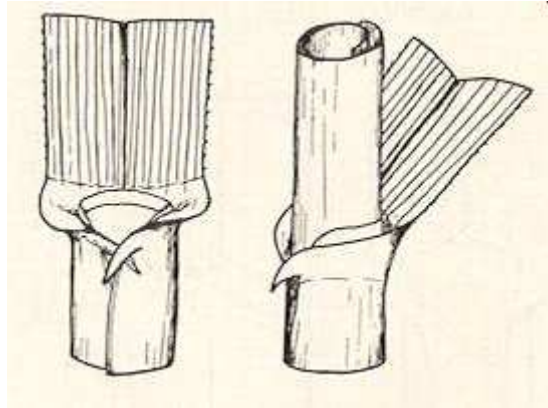
30.7.1934



Bromus tectorum



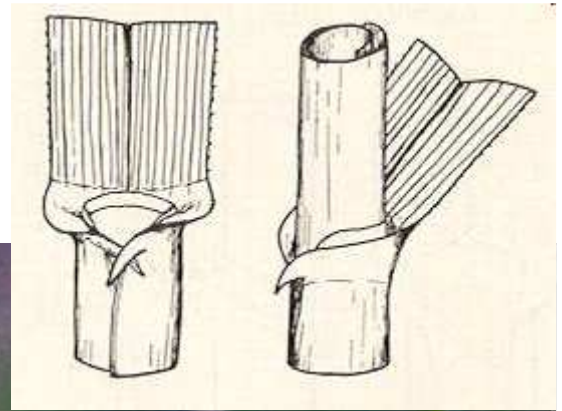
Leaves rolled in the bud-shoot. **Sheath** not compressed, keeled, softly pubescent, pale green, often pink or purple tinged, split part way only. **Auricles** absent. **Collar** pubescent, pale, narrow, distinct, usually divided. **Ligule** membranous, 1.5 to 2.5 mm. long, truncate, lacerate or coarsely ciliate near apex. **Blade** 4 to 8 mm. wide, 5 to 12 cm. long, flat, softly pubescent, sharp pointed, pale green; margins pilose.



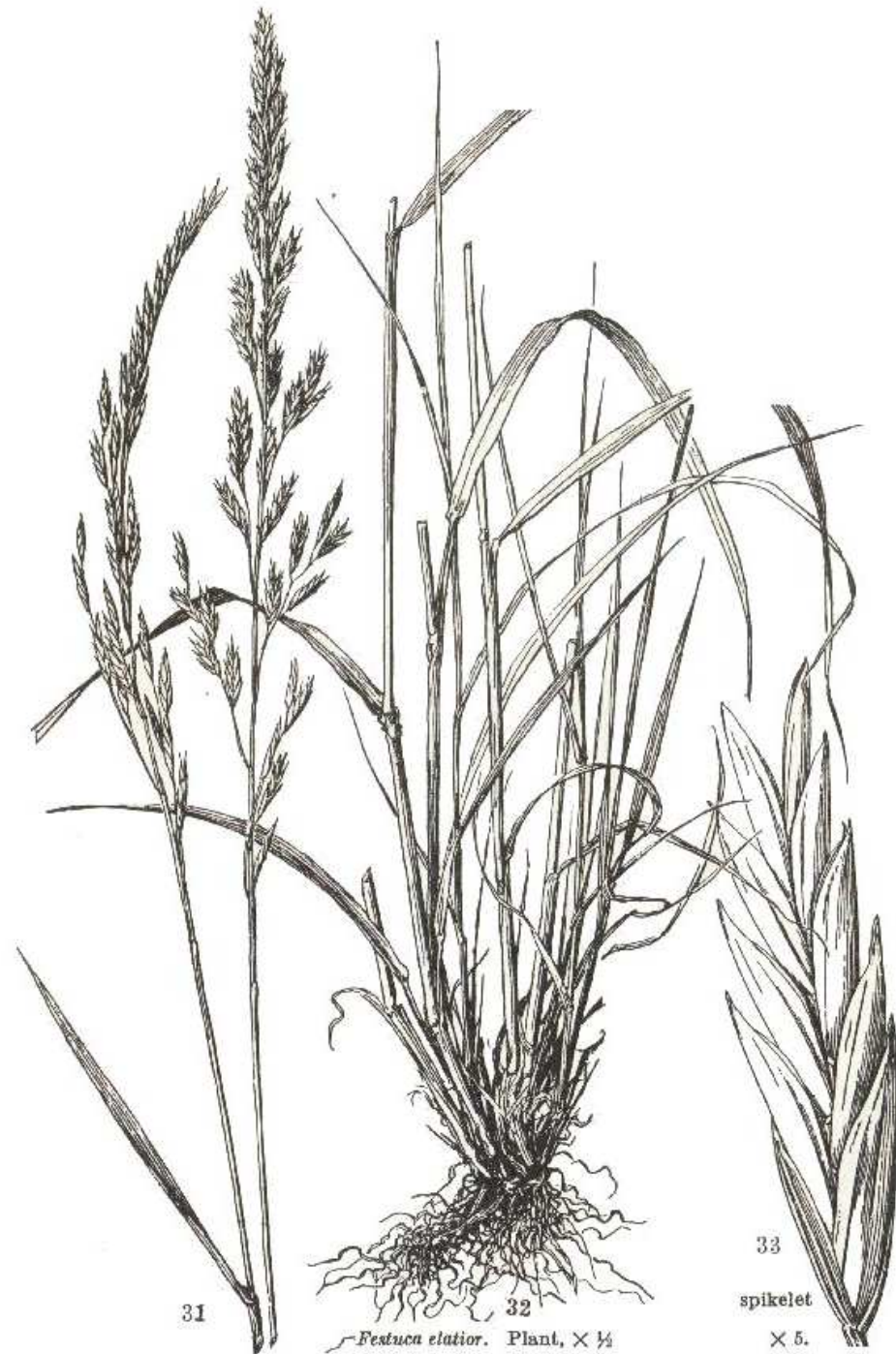
Festuca pratensis

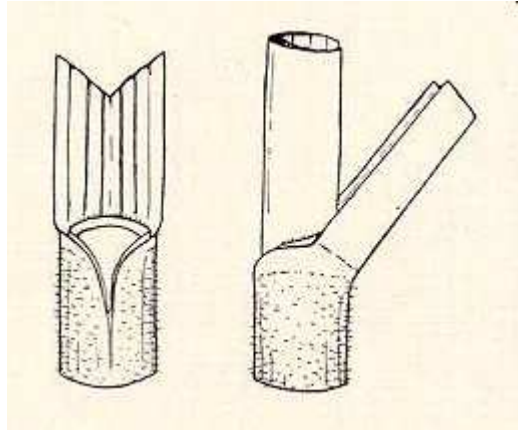


Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, glabrous, pale green, **reddish to purple at base**, split to very near the base with the hyaline margins overlapping. **Auricles** present, 0.5 to 1.5 mm. long, soft, clawlike or blunt, yellow-green to creamy-white. **Collar** broad, distinct, glabrous, yellow-green to cream colour; margins thin, dilated and often wavy. **Ligule** membranous, greenish, short (0.2 to 0.5 mm. long), truncate to obtuse, entire. **Blade** 3 to 8 mm. wide, 10 to 50 cm. long, bright green; upper surface dull, scabrous and prominently ridged; lower surface glossy, smooth and slightly keeled; margins scabrous.



Festuca arundinacea



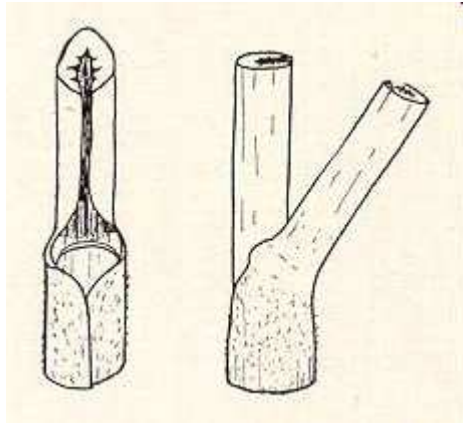


Festuca rubra

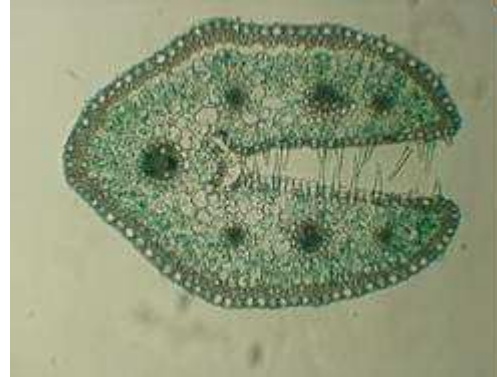


Leaves folded in the bud-shoot. **Sheath** not compressed, not keeled, finely pubescent, split part way only; dead basal sheaths reddish brown, becoming fibrillose. **Auricles** absent or present as rounded extensions of the margins of the collar. **Collar** indistinct, narrow, continuous, glabrous, pale green. **Ligule** membranous, about 0.5 mm. long, truncate, entire or ciliolate. **Blade** 1.5 to 3 mm. wide, 5 to 15 cm. long, thick, V-shaped to closely folded and bristle-like, dark green, deeply ridged on upper surface, smooth and slightly shiny on under surface; margins smooth.





Festuca ovina



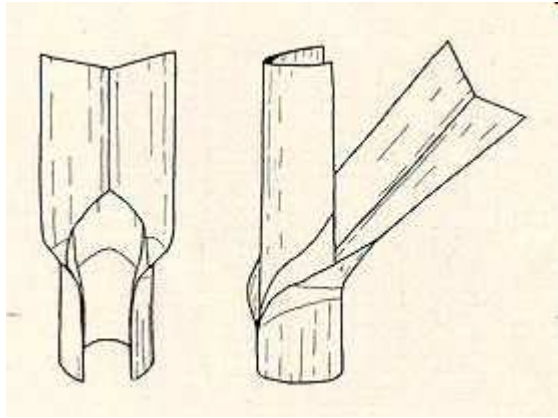
Leaves folded in the bud-shoot. **Sheath** not compressed, not keeled, finely and densely pubescent, bluish green (lower ones sometimes pinkish at base), glaucous, split with margins generally overlapping; dead sheaths pale brown. **Auricles** absent, or present as rounded cartilaginous thickenings of the margins of the collar. **Collar** indistinct, narrow, glabrous. **Ligule** membranous, very short (less than 0.5 mm. long) or obsolete, truncate, ciliate. **Blade** closely and permanently folded, bristle-like, about 1 mm. in diameter, 5 to 15 cm. long, pale, bluish green, glaucous, deeply ridged on upper (inner) surface, glabrous or finely pubescent at base, usually scabrous; margins smooth.

Festuca rupicola

Perennial cereal. The plant forms dense tussocks.
Stalks smooth, 15-50 cm in height.
Leaves setiform, sometimes threadlike,
0.4-1.1 mm in diameter.







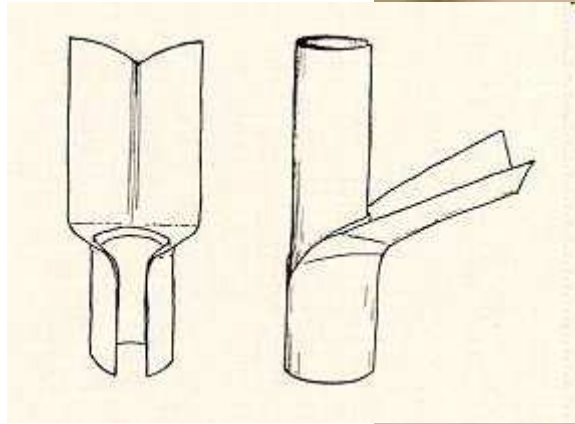
Poa annua

Leaves folded in the bud-shoot. **Sheath** compressed and slightly keeled, glabrous, light green, split part way only; margins membranous and usually overlapping.

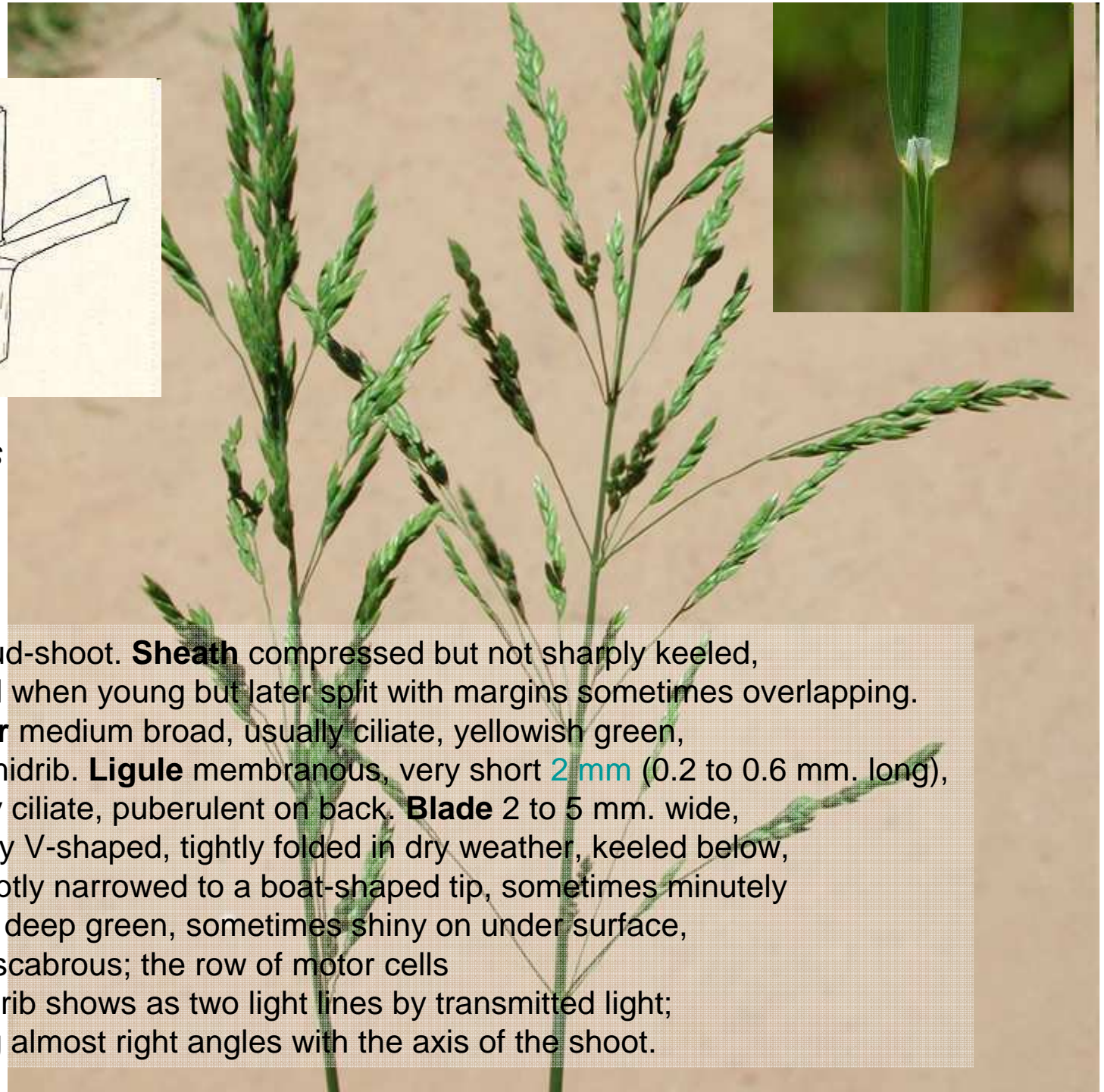
Auricles absent. **Collar** distinct, glabrous, pale green, V-shaped.

Ligule membranous, white, 1.0 to 3.0 mm. (usually 1.2 to 1.8 mm.) long, acute, entire.

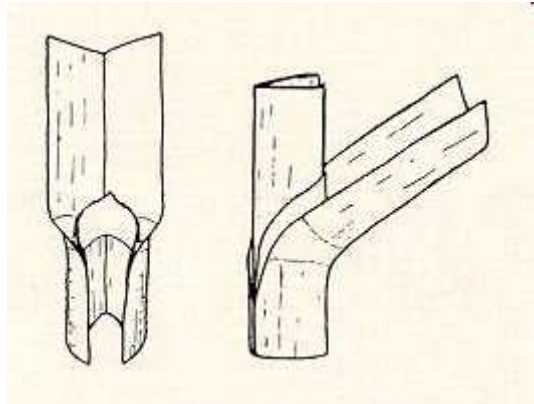
Blade 1.5 to 4 mm. wide, 2 to 8 cm. long, flat or V-shaped in section at base with sub-acute tip, light green, not glossy, thin, soft, often cross-wrinkled; two distinct light lines may be seen along the midvein by transmitted light; margins glabrous, slightly scabrous towards tip; the blades are widely spreading from the axis of the shoot.



Poa pratensis



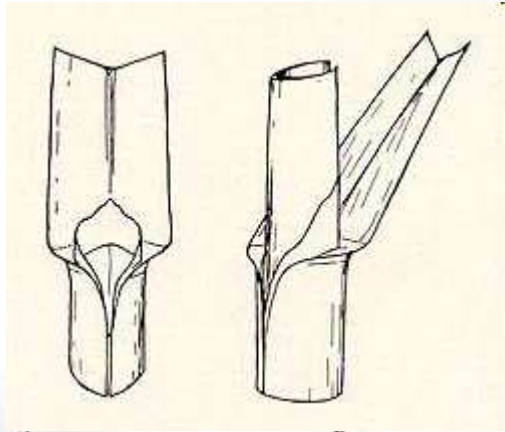
Leaves folded in the bud-shoot. **Sheath** compressed but not sharply keeled, glabrous, green, closed when young but later split with margins sometimes overlapping. **Auricles** absent. **Collar** medium broad, usually ciliate, yellowish green, slightly divided by the midrib. **Ligule** membranous, very short 2 mm (0.2 to 0.6 mm. long), truncate, entire to finely ciliate, puberulent on back. **Blade** 2 to 5 mm. wide, 5 to 40 cm. long, usually V-shaped, tightly folded in dry weather, keeled below, parallel-sided and abruptly narrowed to a boat-shaped tip, sometimes minutely pubescent, not ridged, deep green, sometimes shiny on under surface, not glaucous; margins scabrous; the row of motor cells on each side of the midrib shows as two light lines by transmitted light; the long blades forming almost right angles with the axis of the shoot.



Poa trivialis

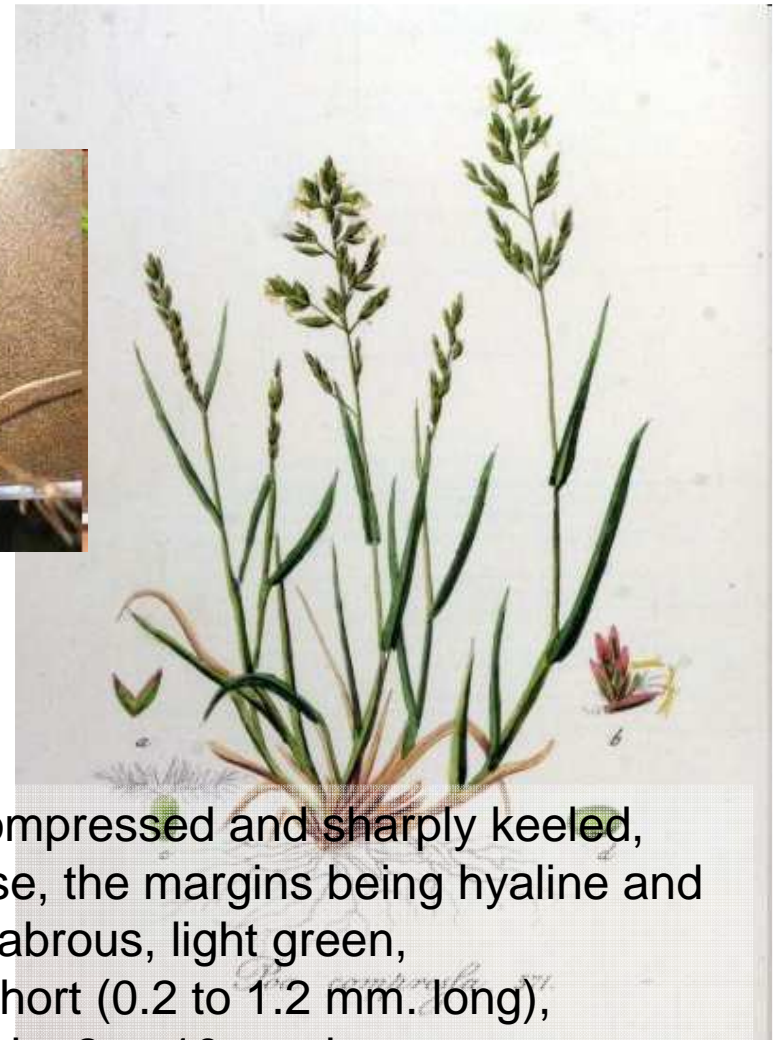
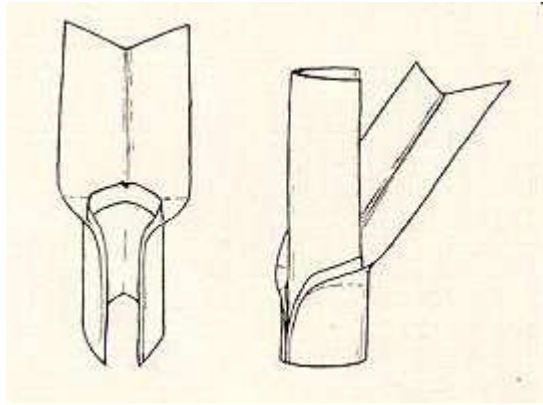


Leaves folded in the bud-shoot. Sheath compressed and sharply keeled, generally scabrous, green or purple tinted, split part way only. **Auricles** absent. **Collar** broad, distinct, glabrous, divided by the midrib. **Ligule** membranous, 2 to 3 mm, 5-6 mm. long, acute, entire or ciliate. **Blade** 2 to 4.5 mm. wide, 7 to 15 cm. long, flat, tapering from the base to the tip which is narrowly boat-shaped, yellowish green, slightly retrorsely scabrous on upper surface, glossy and keeled on lower surface; median lines not prominent; margins scabrous.



Poa palustris

Leaves folded in the bud-shoot. **Sheath** compressed and keeled, glabrous, slightly scabrous, green, split nearly to base with margins overlapping part of the way; margins scarious. **Auricles** absent. **Collar** distinct, glabrous, pale green, V-shaped. **Ligule** membranous, 1.5 to 3.5 mm. long, acute, entire or often toothed. **Blade** 2 to 4 mm. wide, 7 to 15 cm. long, flat or slightly V-shaped, keeled, broad at base, tapering to tip, slightly scabrous, pale green, not ridged but showing two light lines along midrib which are more distinct near the tip than at the base of blade; margins minutely hairy, retrorsely so at base.



Poa compressa

Leaves folded in the bud-shoot. **Sheath** strongly compressed and sharply keeled, glabrous, green or purple-tinged, usually split to base, the margins being hyaline and not overlapping. **Auricles** absent. **Collar** narrow, glabrous, light green, divided by the midrib. **Ligule** membranous, white, short (0.2 to 1.2 mm. long), truncate or emarginate, entire. **Blade** 2 to 5 mm. wide, 2 to 10 cm. long, flat to slightly V-shaped, sharply keeled below, broadest at base, tapering throughout its length to a boat-shaped tip, glabrous, not ridged, bluish green, somewhat glaucous; margins slightly scabrous; the row of motor cells on each side of the midrib show as two light lines by transmitted light; the short, firm blades make broad angles with the axis of the shoot.

Glyceria maxima

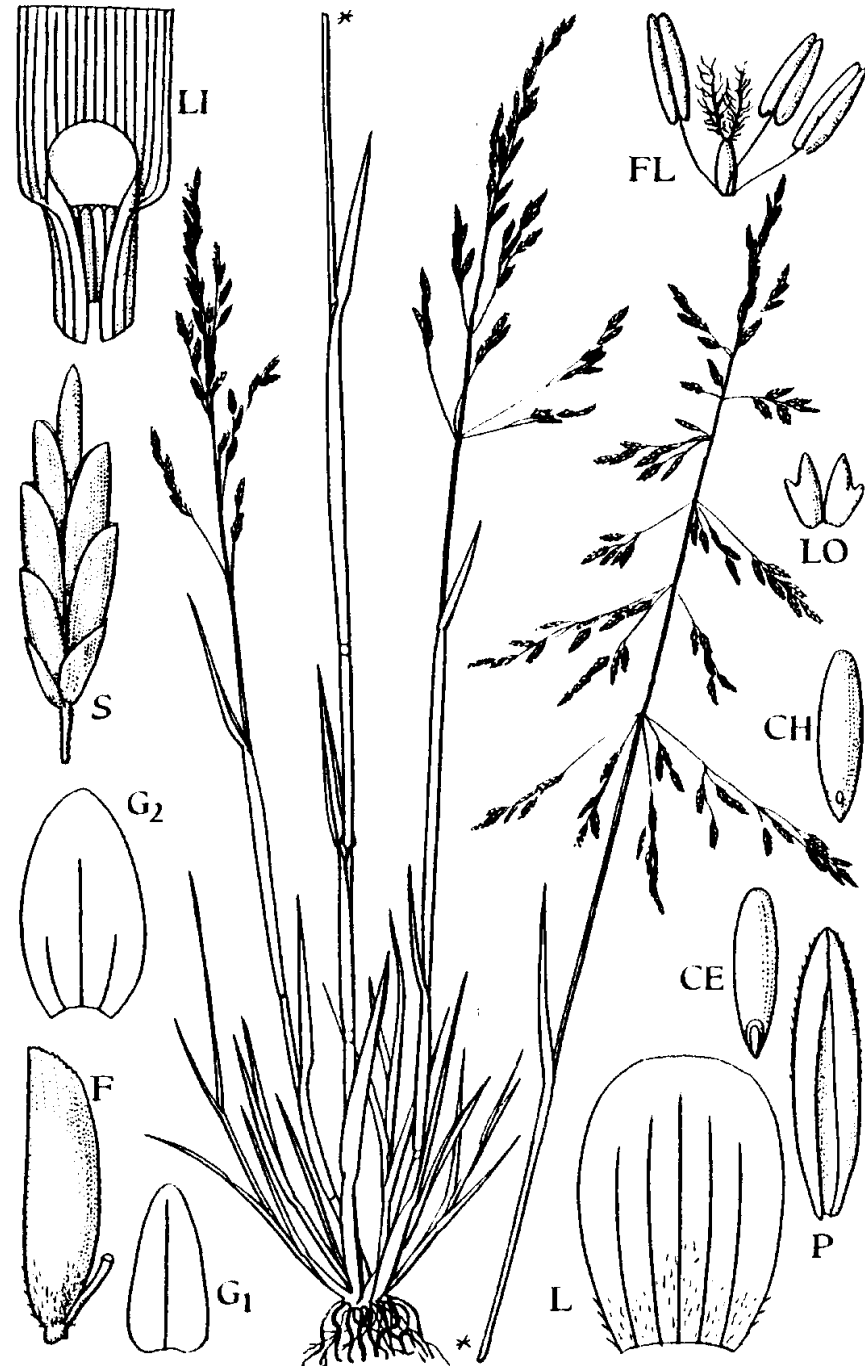
kettős ér
világoszöld
laza mezofillum

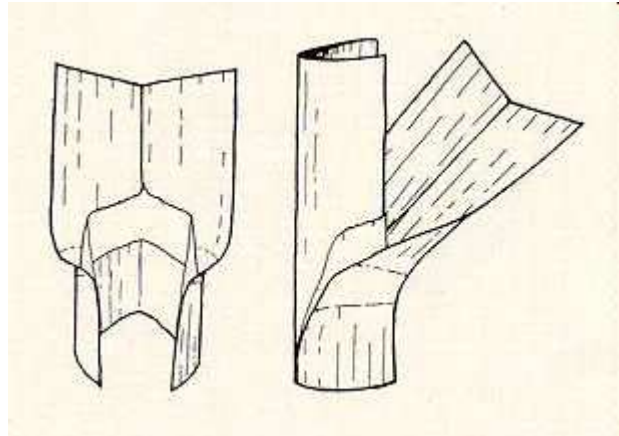


JÄTTEGRÖE, GLYCERIA MAXIMA (HARTM.) HOLMB.

Puccinellia distans

- levél színén párhuzamos erezet
- vályús keskeny levél
- fülecskéje nincs
- nyelvecske fehér,
elhegyesedő csúcsban végződik
- vörhenyes bugavirágzat
- füzérek 2-5 virágúak
- pelyvák szálkátlanok
- szürkés-zöld növény





Dactylis glomerata



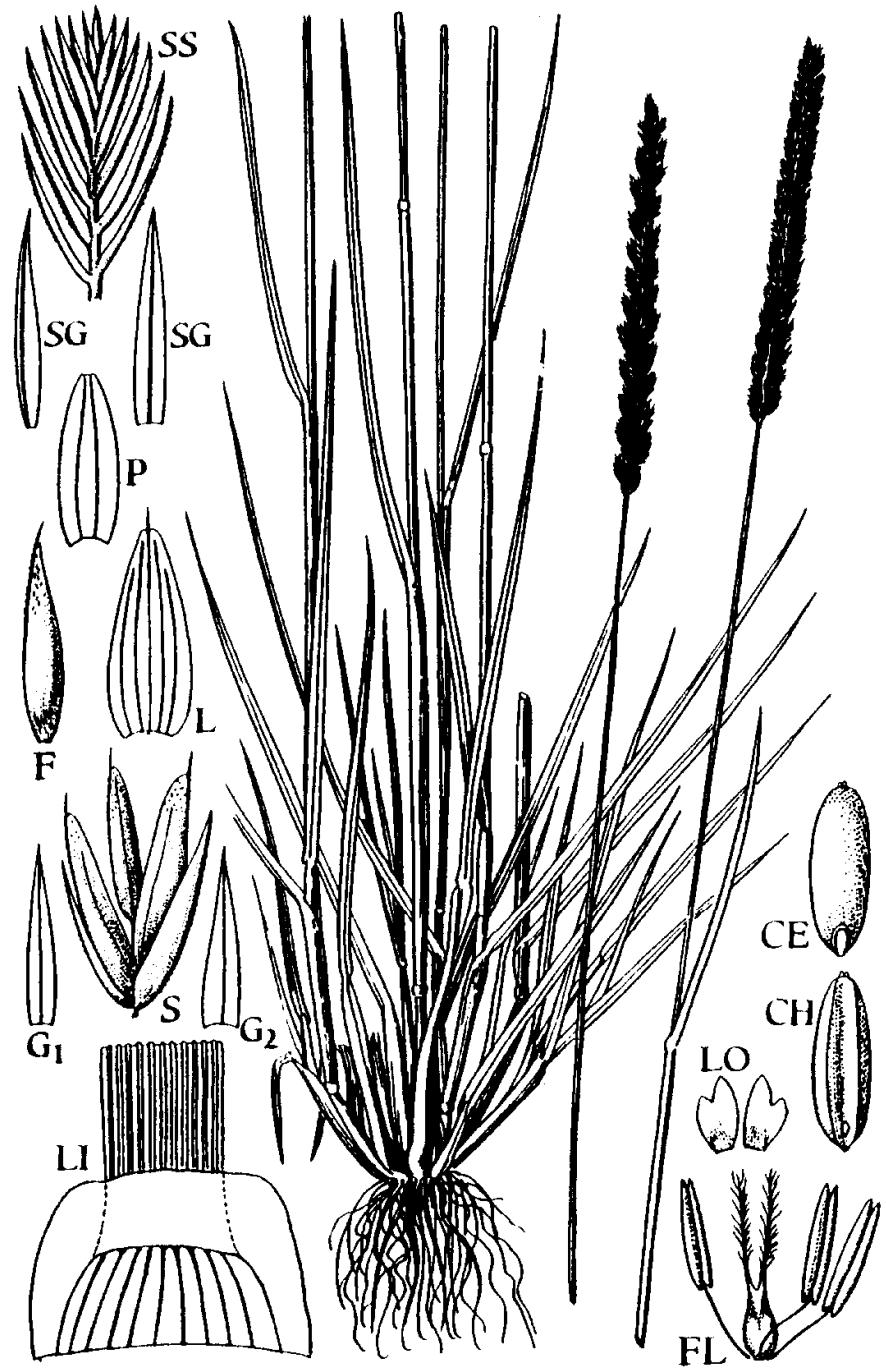
Leaves folded in the bud-shoot. **Sheath** much compressed, keeled, glabrous, green on upper part but very pale green or white on lower part, split part way, closed below. **Auricles** absent. **Collar** broad, distinct, glabrous, yellowish green, divided by the midrib. **Ligule** membranous, white, 2 to 8 mm. long, truncate, usually with awn-like point at apex, ciliolate, sometimes split to base. **Blade** 5 to 12 mm. wide, 8 to 40 cm. long, flat, V-shaped in cross-section near base, sharply keeled below, gradually tapering to an acute point, not ridged but with a deep furrow over the midrib, pale green, sometimes glaucous; margins almost smooth or scabrous.

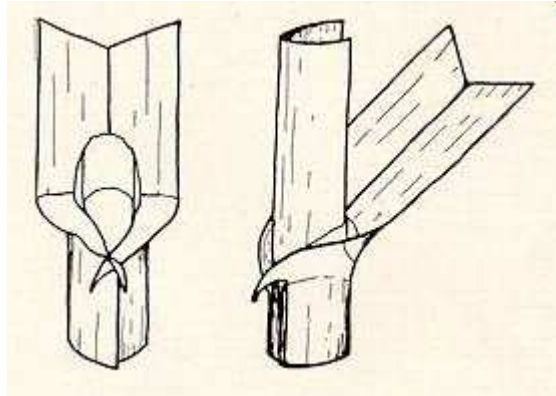


Cynosurus cristatus



- taréjszerű külső toklászok
- levélhüvelye a felső kétharmadáig zárt
- nyelvecske jól fejlett,
a szarát gyakran körülöleli
- virágzata egyoldalú kalászképző buga

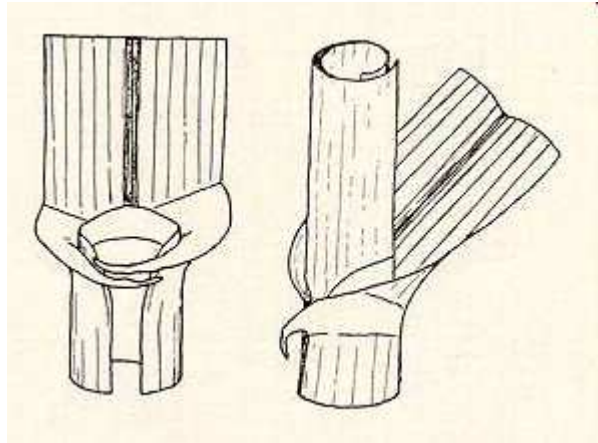




Lolium perenne



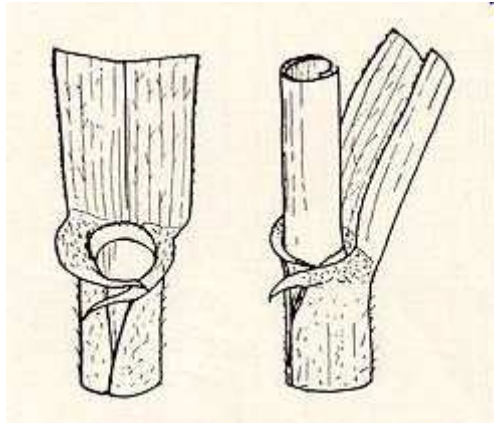
Leaves folded in the bud-shoot. **Sheath** usually compressed but sometimes almost cylindrical, not keeled, glabrous, pale green, reddish at base, closed or split. **Auricles** small, soft, clawlike. **Collar** narrow, distinct, glabrous, yellowish to whitish green. **Ligule** thin-membranous, 0.5 to 2 mm. long, obtuse, toothed near the apex. **Blade** 2 to 6 mm. wide, 5 to 15 cm. long, sharply taper-pointed, keeled, prominently ridged on upper surface, smooth and glossy on lower surface, bright green; margins slightly scabrous.



Lolium multiflorum



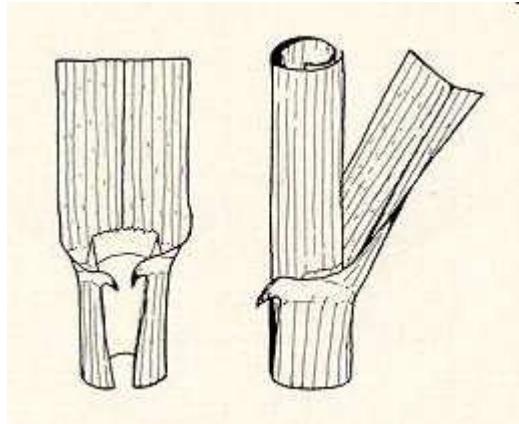
Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, glabrous, green, pinkish at base, split; margins hyaline and overlapping. **Auricles** present, 1 to 3 mm. long, soft, flat and pointed or sometimes blunt or clawlike. **Collar** broad, distinct, continuous, glabrous, pale to yellowish green; margins thin and dilated. **Ligule** membranous, 0.5 to 2.0 mm. long, obtuse, entire. **Blade** 4 to 7 mm. wide, 10 to 40 cm. long, soft, bright green; upper surface dull, prominently ridged; lower surface smooth, glossy and slightly keeled; margins smooth at base.



Agropyron repens



Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, pubescent with soft, short, erect or retrorse hairs especially on lower leaves, rarely glabrous, green, split, with hyaline margins overlapping. **Auricles** present, 1 to 3 mm. long, slender, terete, clawlike, clasping. **Collar** distinct, puberulent both inside and outside, whitish, yellowish or sometimes purplish tinged, broad, V-shaped, divided by midrib, oblique. **Ligule** membranous, 0.5 to 1.0 mm. long, obtuse, finely tooth-fringed, ciliolate or entire. **Blade** 3 to 10 mm. wide, 8 to 20 cm. long, flat, slightly keeled at base, sharp-pointed, green sometimes slightly glaucous; upper surface generally sparsely pilose-pubescent, slightly ridged but midrib not conspicuous; margins and upper surface harsh-scabrous.



Agropyron cristatum

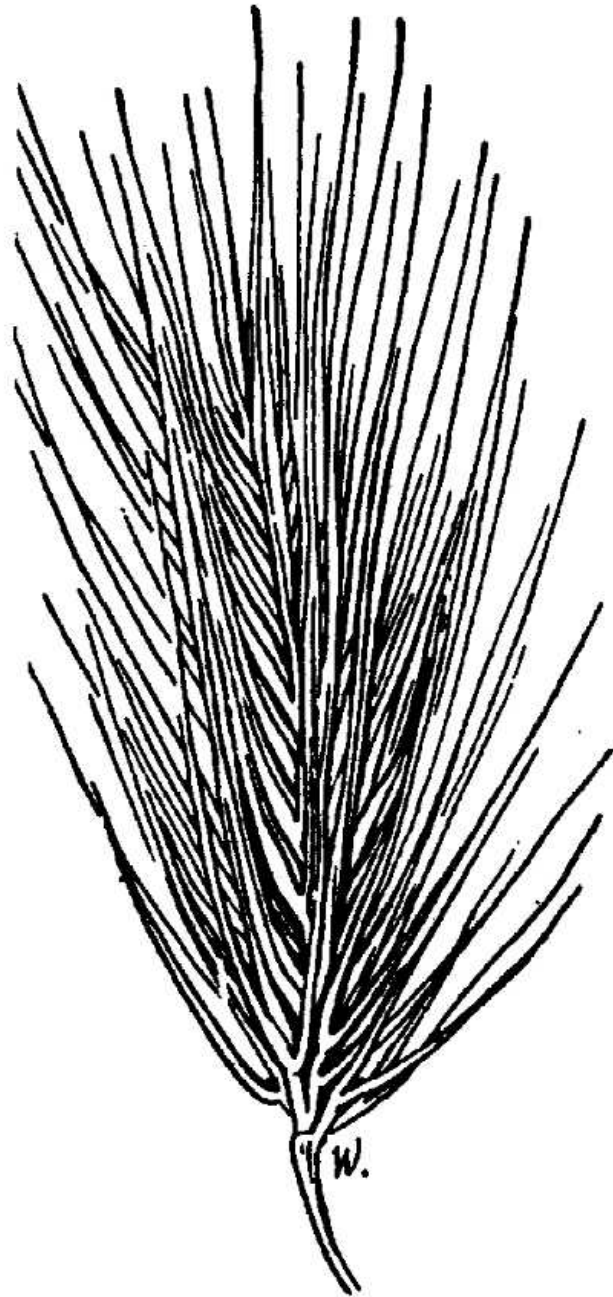


Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, glabrous or the lowest usually soft pubescent, slightly scabrous, dark green, split with margins overlapping. **Auricles** present, 1.0 to 1.5 mm. long, clawlike, not clasping. **Collar** distinct, glabrous or ciliate, light green or yellow, V-shaped, divided. **Ligule** membranous, 0.5 to 1.5 mm. long, truncate, lacerate. **Blade** 2 to 6 mm. wide, 5 to 20 cm. long, flat, tapering to a sharp point, pale bluish green; upper surface scabrous, conspicuously ridged and usually soft pubescent; lower surface smooth; margins scabrous.

Hordeum murinum

-fülecskék keresztezik egymást





Hordeum hystrix

-fülecskék nem keresztezik egymást

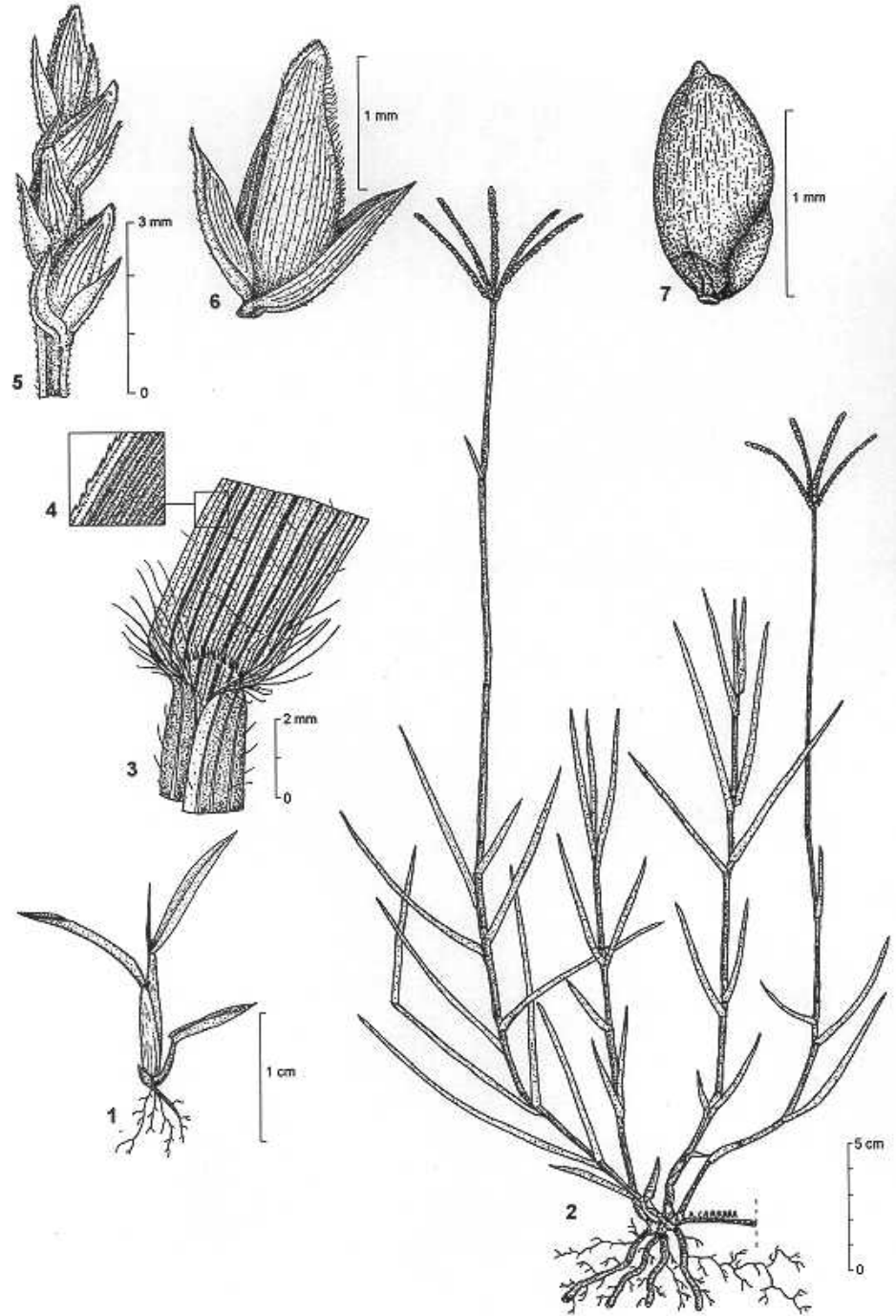


Eragrostis minor
(*E. poaeoides*)

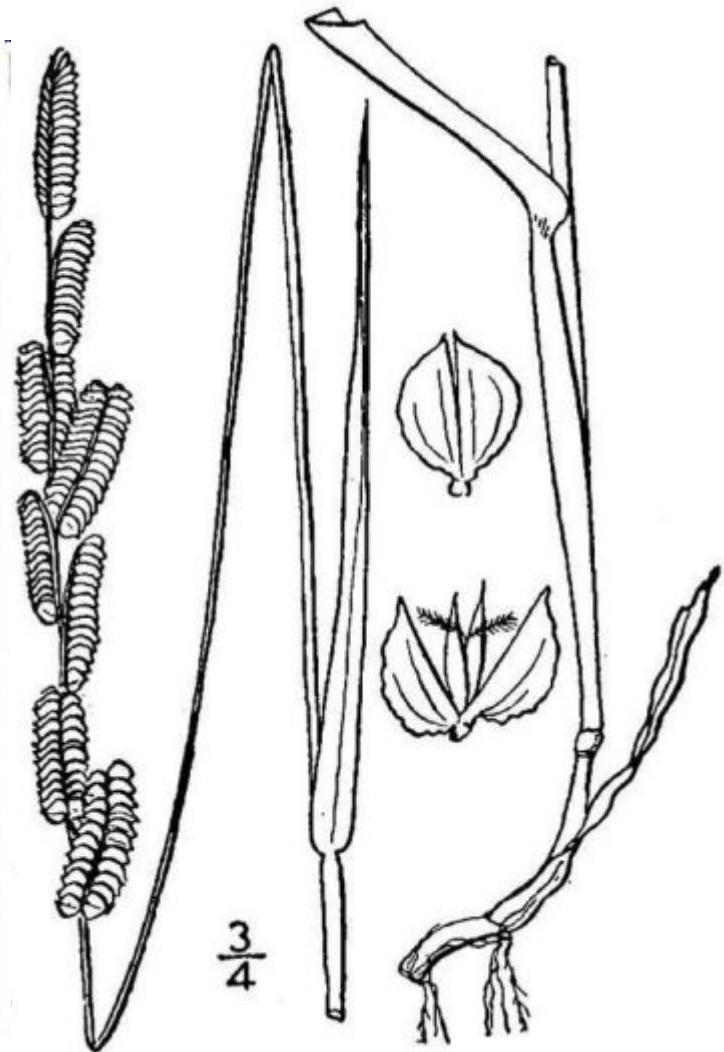


ERAGROSTIS POAEOIDES BEAUV. VAR. MAIOR 1694.

Cynodon dactylon

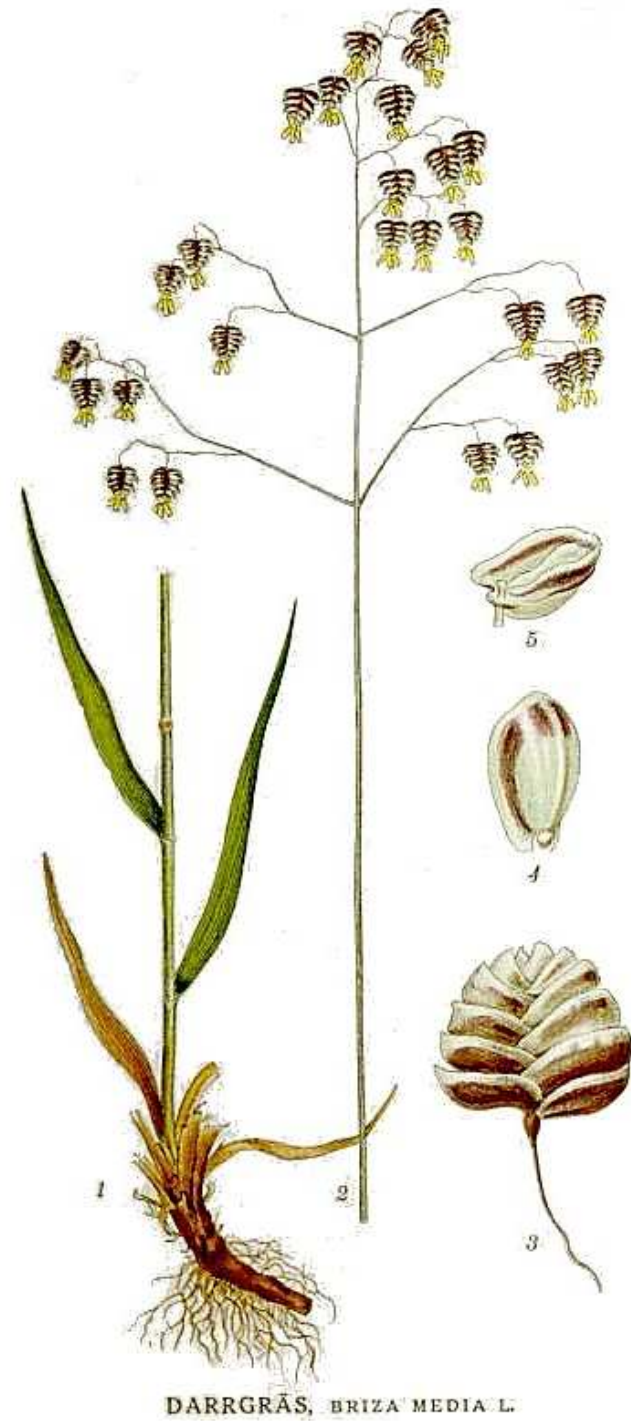


Beckmannia eruciformis



- a pelyvák hasas csónak alakúak
- teljesen elfedik a toklászokat

Briza media



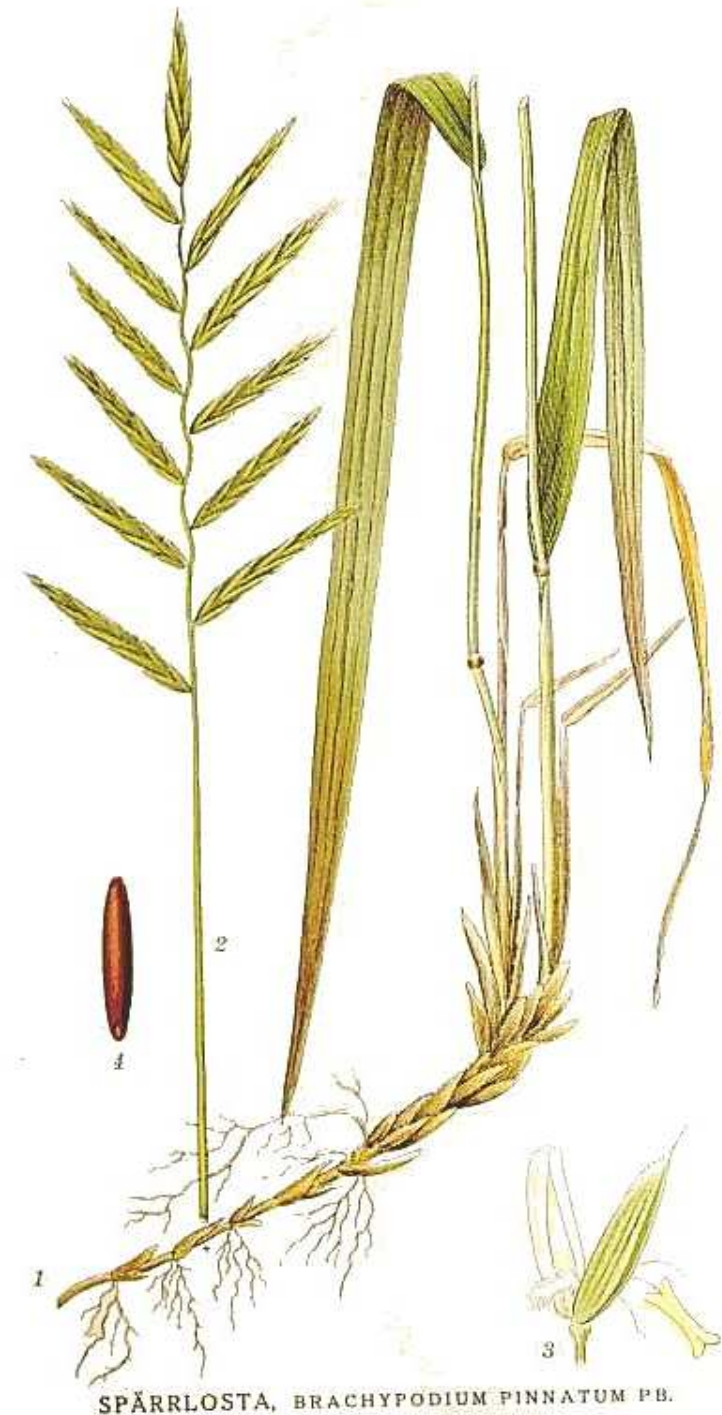
Brachypodium sylvaticum

- üde erdők
- zsombékoló
- a kalász általában bókol
- sötétzöld
- a levél erős középerű
- hüvely és lemez elálló szőrű
- nyelvecske 1-4 mm, fogazott csúcsú, széle pillás
- bolygatástűrő



Brachypodium pinnatum

- félszáraz gyepek, sztyeprétek
- hosszú tarackos
- a kalász általában egyenes, felálló
- halványzöld
- a levél gyenge középerű
- hüvely és lemez elálló szőrű v. kopasz
- fonák érdes papillás, matt
- levél színén ált. hosszú szőrök
- felülről 2. szárlevél nyelvecskéje 1,6-2,8 mm

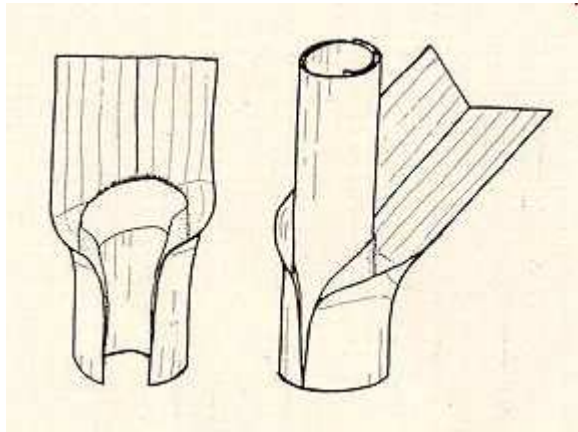


Deschampsia caespitosa

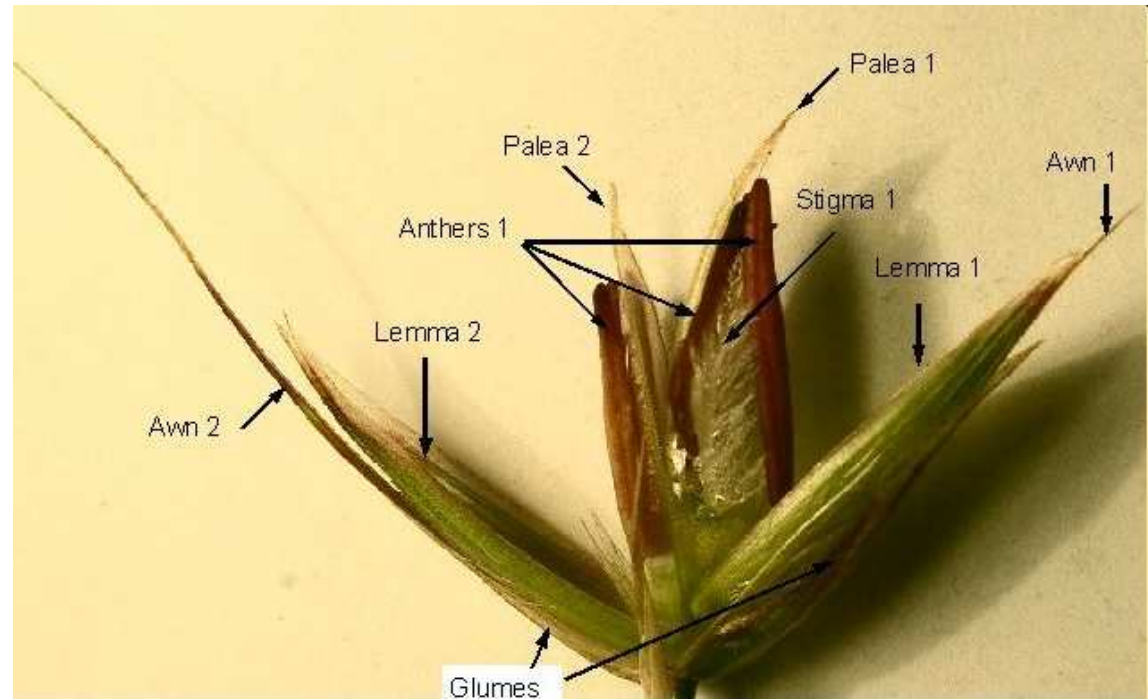




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Arrhenatherum elatius



Leaves rolled in the bud-shoot. **Sheath** not compressed, keeled, glabrous or very sparsely hairy, green, split with overlapping margins. **Auricles absent**. **Collar** broad, glabrous, pale green or yellow, divided, generally oblique. **Ligule membranous, white, 1.5 to 2.5 mm. long**, truncate to obtuse, generally finely toothed or entire, minutely hairy on back.

Blade 3 to 10 mm. wide, 10 to 50 cm. long, flat, soft, sharp-pointed, glabrous, **ridged on upper surface, smooth on under surface**, keeled at midrib; margins slightly scabrous.

színén pár szőr

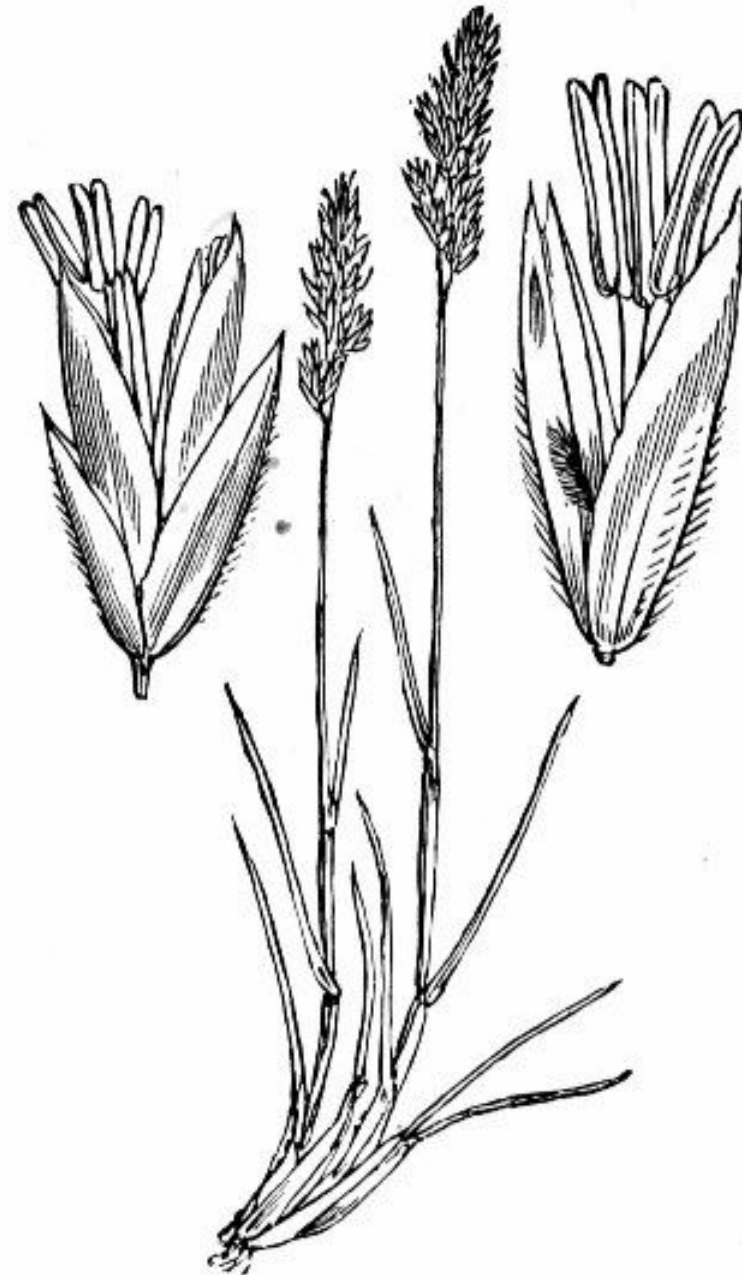
Trisetum flavescens



Helictotrichon pubescens / *Avenula* p.

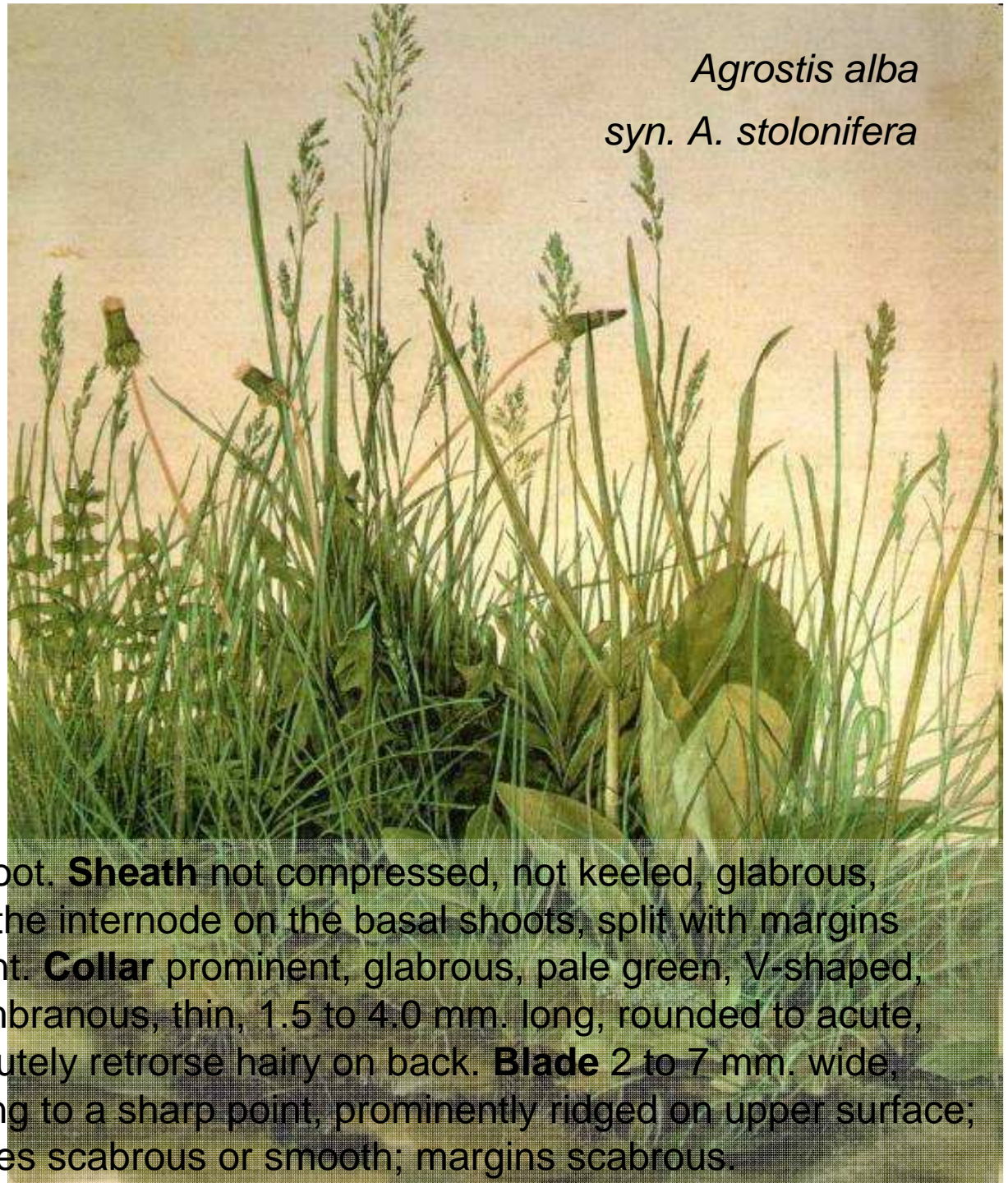
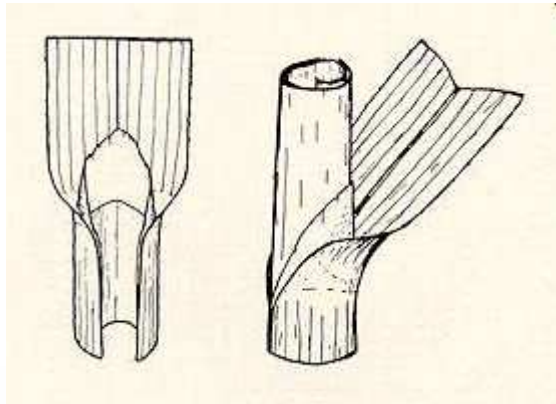


Koeleria cristata



1254. *Koeleria cristata* Pers.

Crested K.



Agrostis alba
syn. *A. stolonifera*

Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, glabrous, smooth, green, longer than the internode on the basal shoots, split with margins overlapping. **Auricles** absent. **Collar** prominent, glabrous, pale green, V-shaped, usually oblique. **Ligule** membranous, thin, 1.5 to 4.0 mm. long, rounded to acute, lacerate, erose, or split, minutely retrorse hairy on back. **Blade** 2 to 7 mm. wide, 5 to 20 cm. long, flat, tapering to a sharp point, prominently ridged on upper surface; midrib distinct below; surfaces scabrous or smooth; margins scabrous.

Agrostis stolonifera
Foto: Jan Wesenberg



Agrostis stolonifera
Foto: Jan Wesenberg

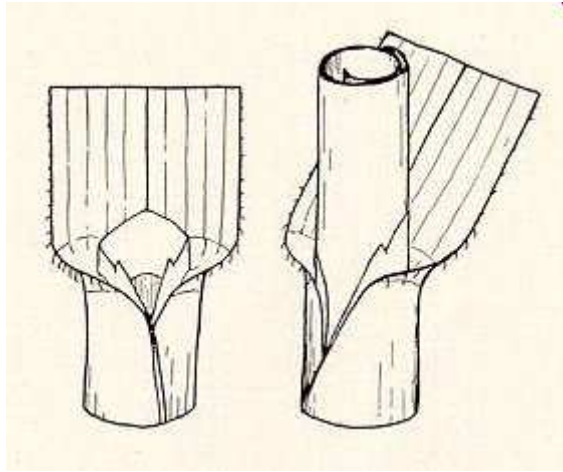


Calamagrostis epigeios



1188. *Calamagrostis epigeios* Roth.
Bushgrass.





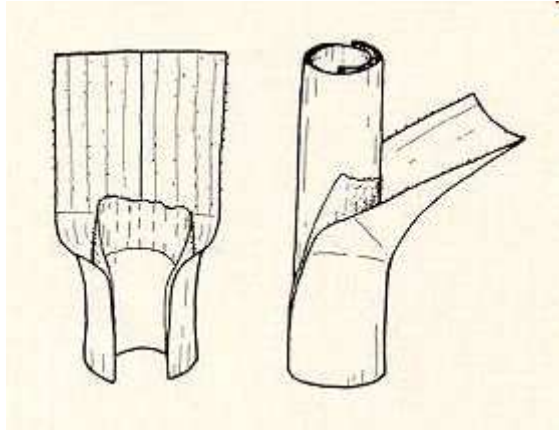
Phleum pratense

Leaves rolled in the bud-shoot. **Sheath** not compressed, glabrous, light green, sometimes purplish at base in young plants, split almost to base; margins hyaline and edges overlapping to near base. **Auricles** absent.

Collar broad, distinct, glabrous, light green, continuous; margins sparsely retrorse-ciliate. **Ligule** membranous, white, 1.0 to 2.5 mm. long, obtuse to acute, with distinct notch at either side, otherwise entire or minutely toothed.

Blade 4 to 12 mm. wide, 7 to 25 cm. long, flat, sharp-pointed, light green, glabrous; ridges on the upper surface low and rounded; under surface smooth, slightly keeled at base; margins scabrous, retrorsely so at the base.





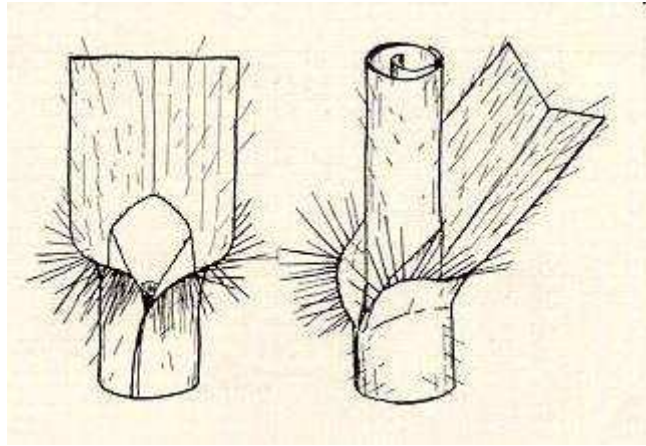
Alopecurus pratensis

Leaves rolled in the bud-shoot. **Sheath** not compressed, glabrous, green. sometimes purplish at base, split with the broad-hyaline margins overlapping. **Auricles** absent. **Collar** medium broad, glabrous, light green or yellow, divided, oblique. **Ligule** coarse-membranous, faintly striate, 1.0 to 2.5 mm. long, truncate to obtuse, entire, ciliate, undulate or oblique, puberulent on back, variable in shape and margin. **Blade** 3 to 8 mm. wide, 10 to 15 cm. long, flat, taper-pointed, dull; upper surface scabrous and prominently ridged; midrib forming a slight keel on under surface; margins quite scabrous.

szürke-matt levél

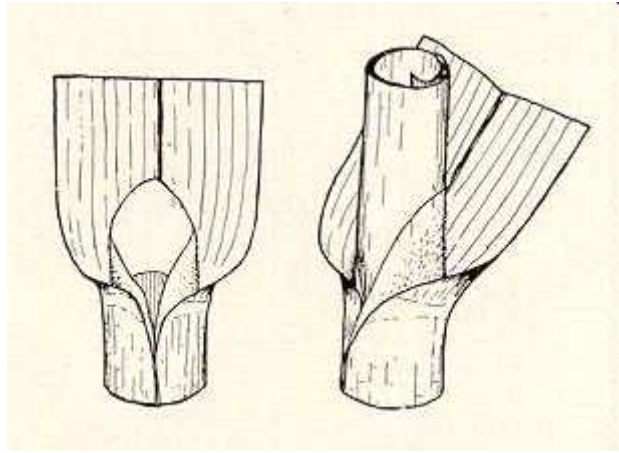
fakó színi oldal, fényes fonák





Anthoxanthum odoratum

Leaves rolled in the bud-shoot. **Sheath** not compressed, slightly glabrous or sometimes pubescent; margins hyaline, overlapping when young. **Auricles** absent or reduced. **Collar** broad, pale green, divided, often dilated and frilled with long dense hairs on the margins. **Ligule** membranous, about 2 mm. long, obtuse to truncate, ciliate. **Blade** 3 to 8 mm. wide 4 to 20 cm. long; flat, bright green, hairy especially near base; upper surface ridged; margins scabrous, sparsely hairy at base.



Phalaris arundinacea

Leaves rolled in the bud-shoot. **Sheath** not compressed, glabrous, smooth, light green or yellow-green; margins membranous and overlapping below; veins distinct and joined by numerous cross-nerves. **Auricles** absent. **Collar** distinct, glabrous, pale green or yellow, continuous, oblique. **Ligule** membranous, white, 2 to 5 mm. long, acute to obtuse, entire, erose, lacerate or split, minutely hairy on back. **Blade** 6 to 15 mm. wide, 10 to 30 cm. long, flat, sharp-pointed, glabrous or rarely very sparsely hairy at base, light green, glaucous, indistinctly ridged on upper surface; midrib prominent below; margins scabrous, slightly ciliate at base.

Stipa capillata

- tőlevél színe fehéren szőrös szőnyeg
- fonáka kopasz
- nagy nyelvecske
- „bordás” lemez



Molinia caerulea agg.

M. hungarica

réti - alacsonyabb

leveleken kósza
nagy szőrök

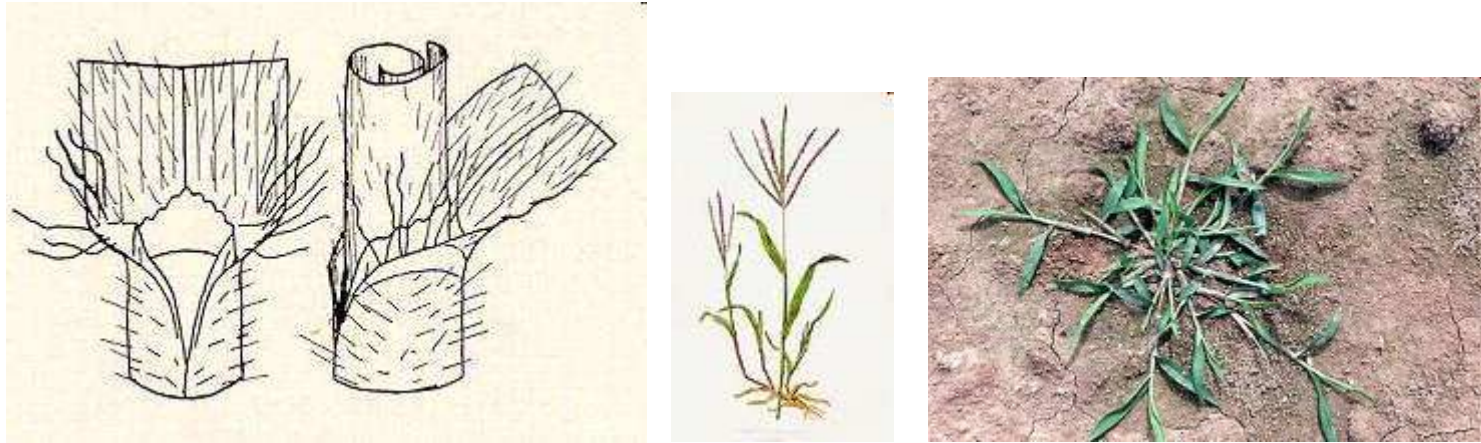
M. arundinacea

erdei - magas



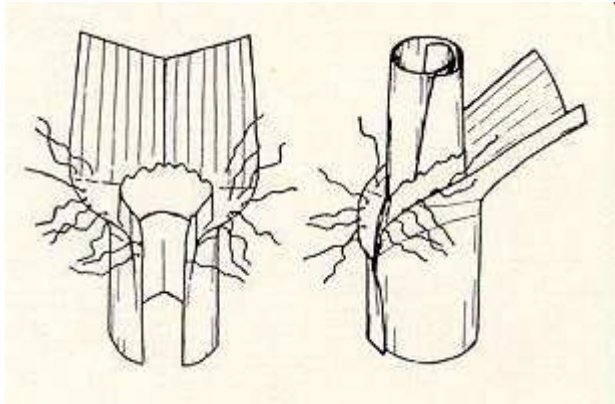






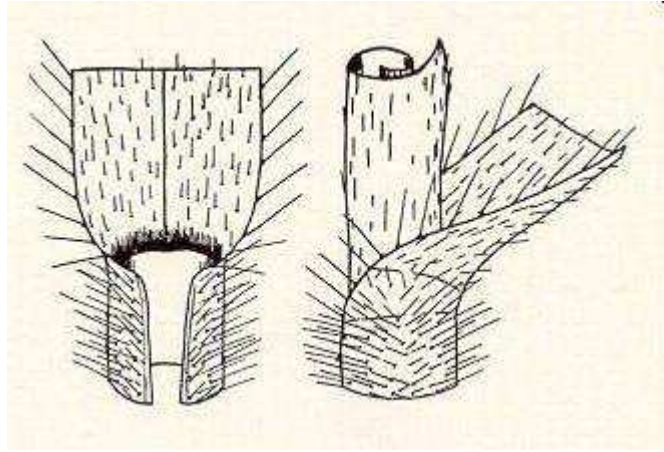
Digitaria sanguinalis

Leaves rolled in the bud-shoot. **Sheath** compressed, pilose, green but sometimes purplish-veined, split with margins hyaline. **Auricles** absent. **Collar** broad, distinct, sparsely hairy, divided by midrib. **Ligule** membranous, 0.5 to 2.0 mm. long, acute, undulate or toothed, often reddish. **Blade** 4 to 10 mm. wide, 5 to 15 cm. long, flat, soft, drooping, often puckered, sharp-pointed, green, not ridged, pilose on both surfaces with a few longer hairs at base on upper surface; midrib prominent on lower surface; margins scabrous.



Digitaria ischaemum

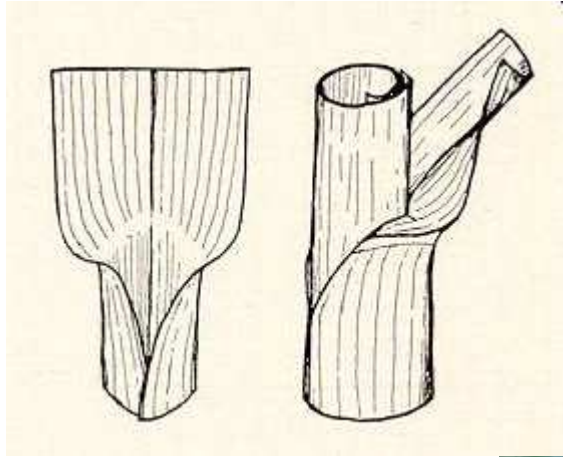
Leaves rolled in the bud-shoot. **Sheath** compressed, glabrous or the basal ones sometimes sparsely hairy, pale green, tinted pink or purple, split, with margins hyaline and overlapping. **Auricles** absent. **Collar** broad, distinct, with a few flexuous hairs at the margin, pale, often divided. **Ligule** membranous, 2 to 3 mm. long, obtuse to truncate, slightly undulate, thickened and often tinted at the edges. **Blade** 2 to 6 mm. wide, 2 to 10 long, flat, cordate at base, sharp-pointed, not ridged, dull green or tinged with purple, sparsely hairy with twisted hairs at base on upper surface; margins glabrous or sparsely ciliate, smooth or scabrous.



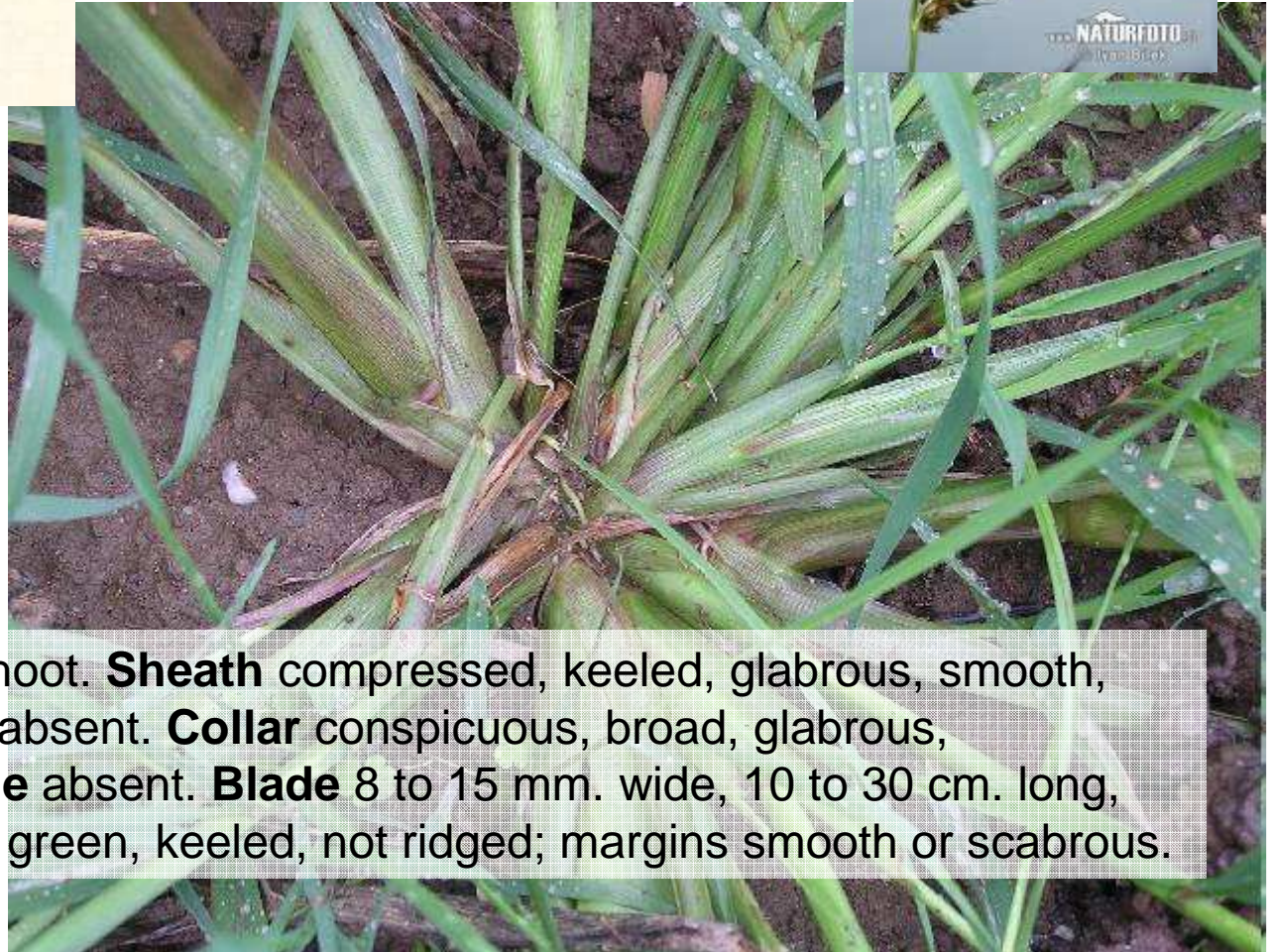
Panicum capillare

Leaves rolled in the bud-shoot. **Sheath** not compressed, not keeled, conspicuously papillose-hispid between the veins, dull green, split; margins overlapping and hyaline. **Auricles** absent. **Collar** broad, distinct, pubescent, yellowish green. **Ligule** a dense fringe of hairs fused at base, 1.0 to 2.0 mm. long. **Blade** 8 to 15 mm. wide, 8 to 20 cm. long, soft, cordate and keeled at base, sharply taper-pointed at apex, densely short-pubescent on both surfaces with silky hairs; midrib prominent; margins scabrous, papilloseciliate towards base of blade.

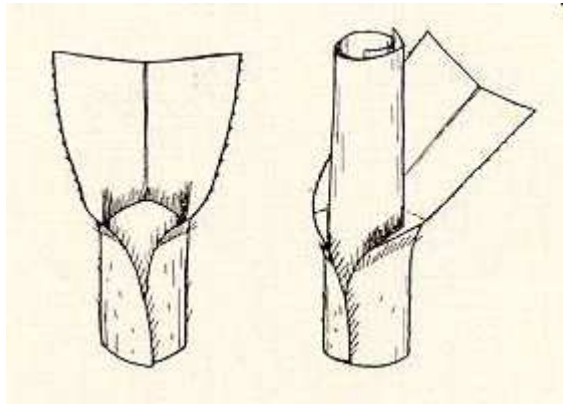
özönfaj



Echinochloa crus-galli



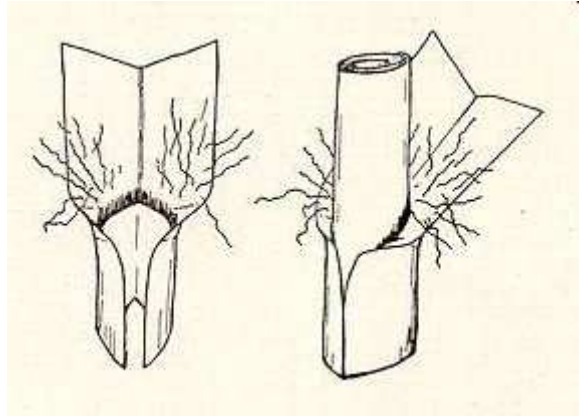
Leaves rolled in the bud-shoot. **Sheath** compressed, keeled, glabrous, smooth, pale green, split. **Auricles** absent. **Collar** conspicuous, broad, glabrous, light yellowish green. **Ligule** absent. **Blade** 8 to 15 mm. wide, 10 to 30 cm. long, glabrous, pale or yellowish green, keeled, not ridged; margins smooth or scabrous.



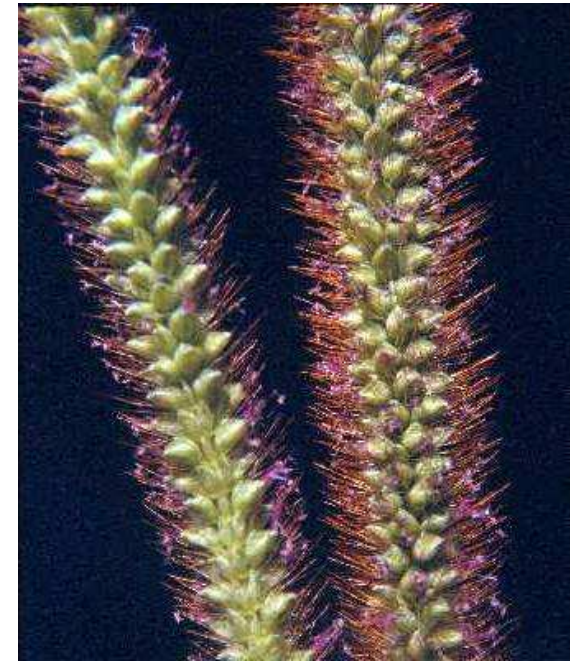
Setaria viridis

Leaves rolled in the bud-shoot. **Sheath** cylindrical or slightly compressed, not keeled, glabrous but sometimes sparse-appressed pubescent, light green or tinged with purple towards base, split; margins pubescent with hairs about 1 mm. long (where the margins overlap the inner one is glabrous).

Auricles absent. **Collar** broad, distinct, continuous, yellowish green or tinged with red, pubescent along base. **Ligule** a fringe of hairs 1 to 2 mm. long, fused at base, with the longer hairs towards the edges. **Blade** 4 to 10 mm. wide, 5 to 20 cm. long, flat, not keeled, gradually tapering to a sharp tip, not ridged but midvein prominent, glabrous, green, scabrous; margins serrulate-scabrous.



Setaria lutescens
S. pumila



Leaves rolled in the bud-shoot. **Sheath** much compressed, sharply keeled, glabrous, pale green or frequently tinged with purple and red towards base or on the veins, split, loose; hyaline margins sometimes overlapping. **Auricles** absent. **Collar** narrow, distinct, continuous, glabrous, pale green, purplish or reddish. **Ligule** a fringe of short hairs 1 mm. long or less, fused at base. **Blade** 4 to 10 mm. wide, 5 to 30 cm. long, flat, V-shaped towards base, keeled, soft drooping, taper-pointed, not ridged but midrib prominent, slightly scabrous, light green; upper surface slightly glaucous and bearing long, twisted and flexuous hairs near base; margins smooth or slightly scabrous.

Botriochloa ischaemum

szürkészöld növény
nyelvecske rövid szőrkoszorú
levél 2-4 mm széles



