

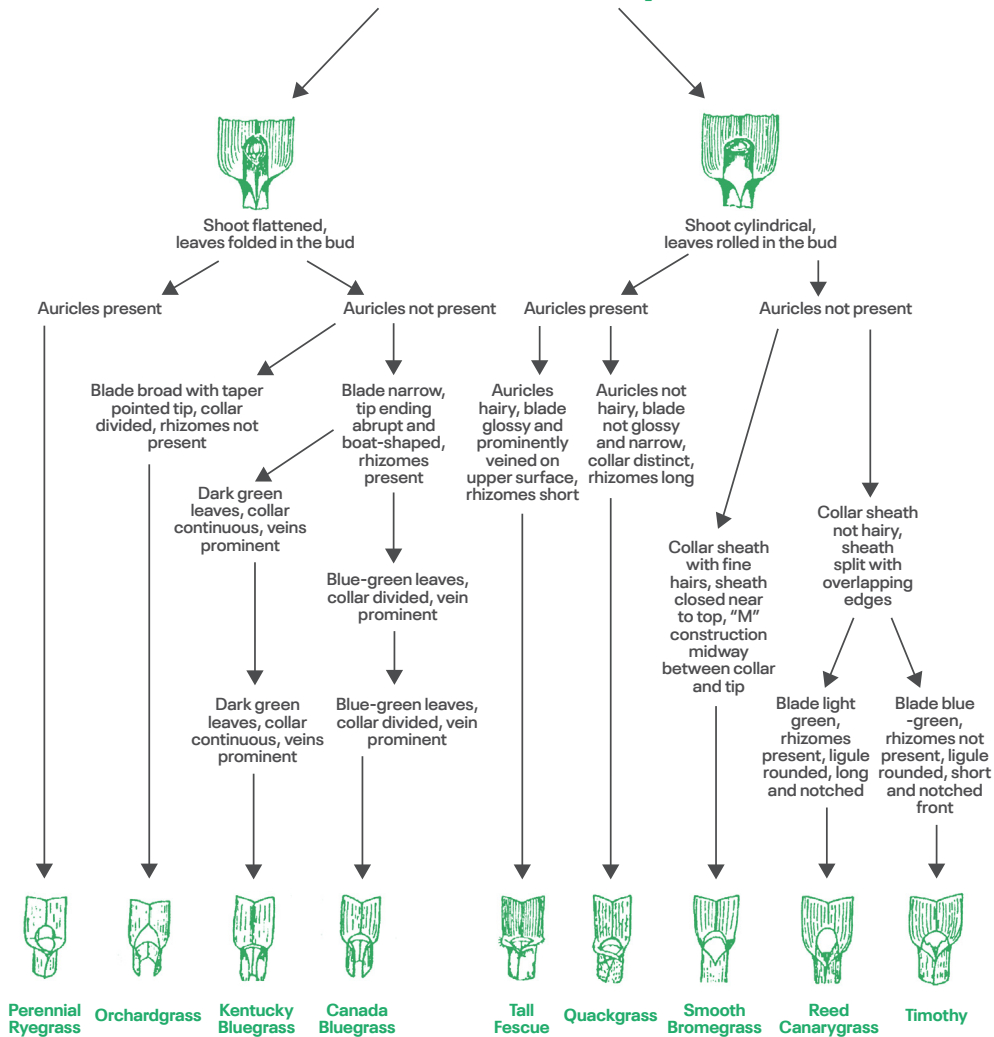
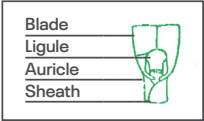


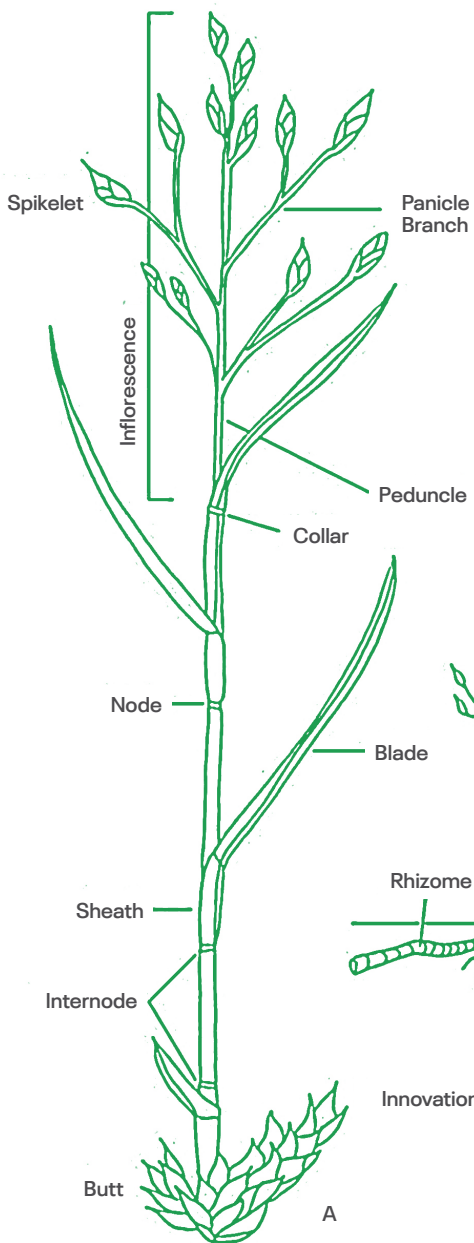
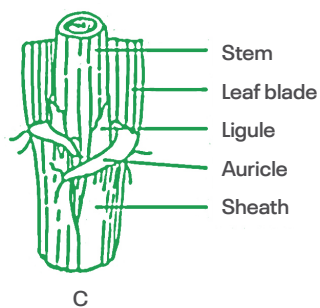
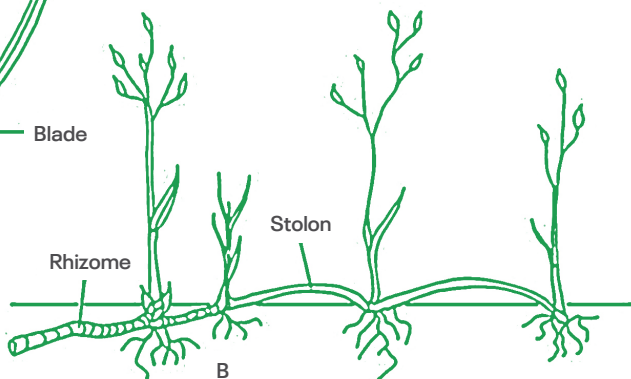
DLF Grass Identification Guide



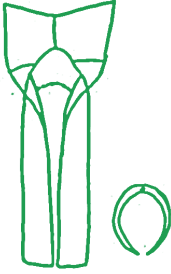
SOURCE:
Smithsonian Contributions To Botany • Number 99
Grasses Of Washington, D.C.
Kamal M. Ibrahim And Paul M. Peterson

Cool-Season Forage Grass Identification Key





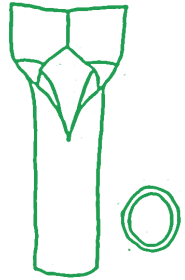
Sheaths



Split



Split, Margins Overlapping

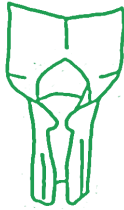


Closed

Auricles



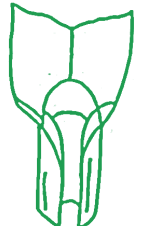
Claw-like



Rounded



Rudimentary



Absent

Collars



Broad



Narrow



Divided

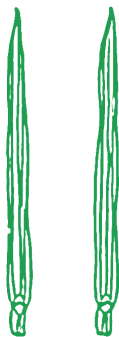


Oblique



Pubescent

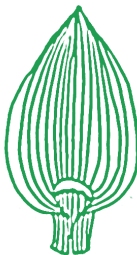
Shapes of Leaf Blades



Linear



Lanceolate



Ovate



Oblong

Types of Rolling and Folding



Flat, Keeled Below



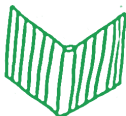
Flat, Ridged Above



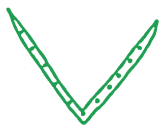
Plicate



Folded
and
Keeled



Expanded
and Half
Folded



V-Shaped



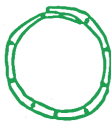
Folded



Bristle-like



U-Shaped



Convolute



Involute

Shapes of Leaf Tip



Acuminate



Acute



Subulate



Boat-shaped

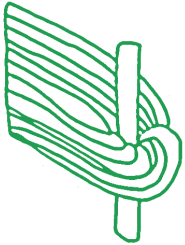


Filiform

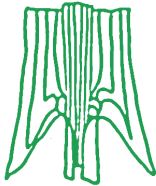


Obtuse

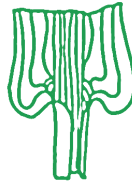
Shapes of Leaf Base



Amplexicaul



Sagittate

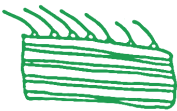


Cordate



False Petiole

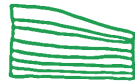
Shapes of Leaf Margin



Ciliate

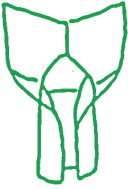


Serrate



Smooth

Ligule Types



Membranous

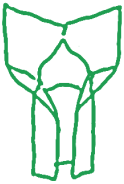


Fringe of Hairs



Absent

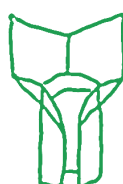
Ligule Shapes



Acute



Obtuse



Truncate



Emarginate

Ligule Margins



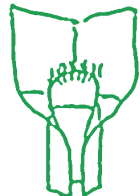
Entire



Notched



Lacerate



Ciliate

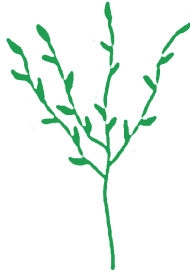
Spike



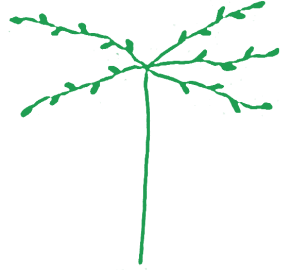
Contracted
Spike



Loose
Spike



Subdigitate



Digitate

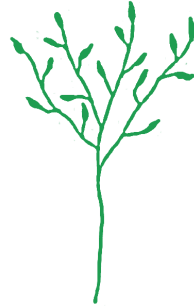
Raceme



Simple



On a Central Axis

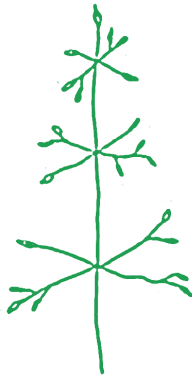


Subdigitate

Panicle



Compact



Whorled Spike



Spathate



Spike-like



Diagram of Inflorescence

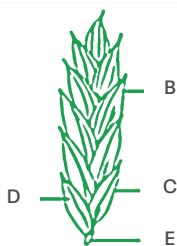


Diagram of Spikelet

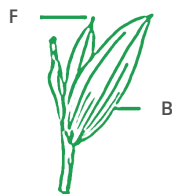
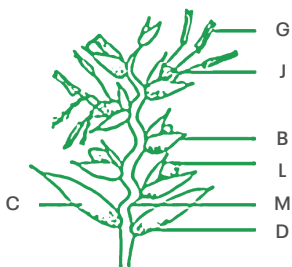
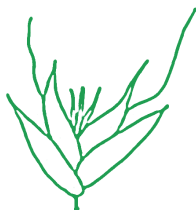


Diagram of Raceme



Sinus Awned Lemma



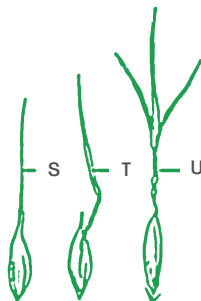
Dorsally Awned Lemma



Terminal Awned Lemma



Awned Glume



Types of Awns

