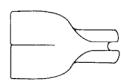


# Science for Community Change

agresearch

**Begin here**  
Select plants with three or more blades and use the newest blades for examination. The third collar area is illustrated.



Ligule absent  
**Barnyard grass (*Echinochloa crus-galli*)**



Ligule hairy/ciliate

Emerging blade rolled  
**Witchgrass (*Panicum capillare*)**



Blades without hair  
**Green bristle grass (*Setaria viridis*)**



Emerging blade folded  
**Yellow bristle grass (*Setaria glauca*)**

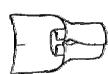


Ligule present



Ligule membranous

Blades shiny with prominent veins  
**Couch (*Elytrigia repens*)**



Auricles present  
**Italian ryegrass (*Lolium multiflorum*)**



Blades not shiny, veins not prominent  
**Perennial ryegrass (*Lolium perenne*)**



Emerging blade flat and folded, may be rolled in older tillers  
**Yorkshire fog (*Holcus lanatus*)**



Emerging blade rolled  
**Summer grass (*Digitaria sanguinalis*)**



Slightly hairy  
**Smooth witchgrass (*Panicum dichotomiflorum*)**



Ligule is a fringed membrane, sheath margin with few hairs in place of auricles  
**Smooth witchgrass (*Panicum dichotomiflorum*)**



Very hairy  
**Smooth witchgrass (*Panicum dichotomiflorum*)**



Trevor James