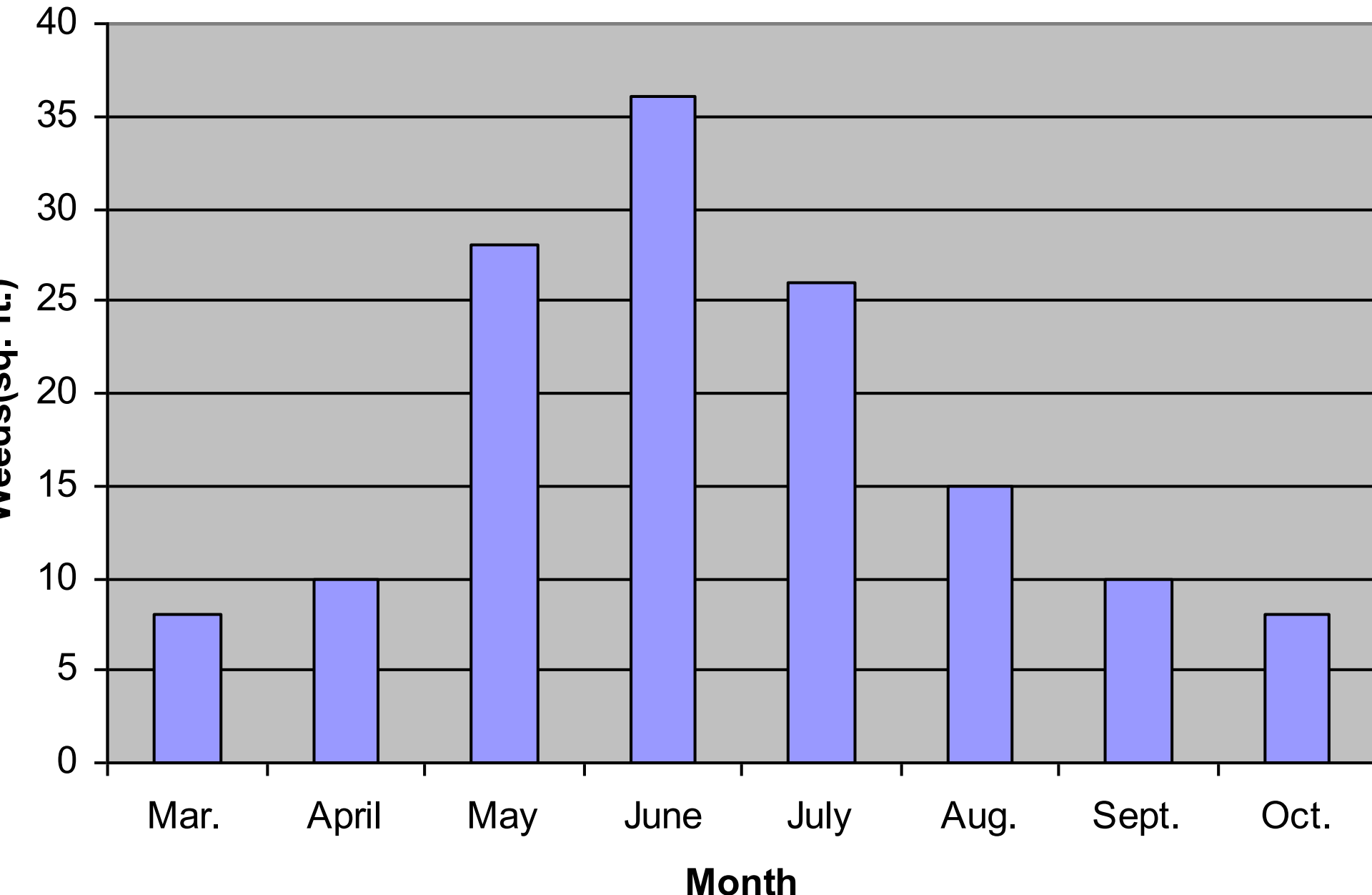


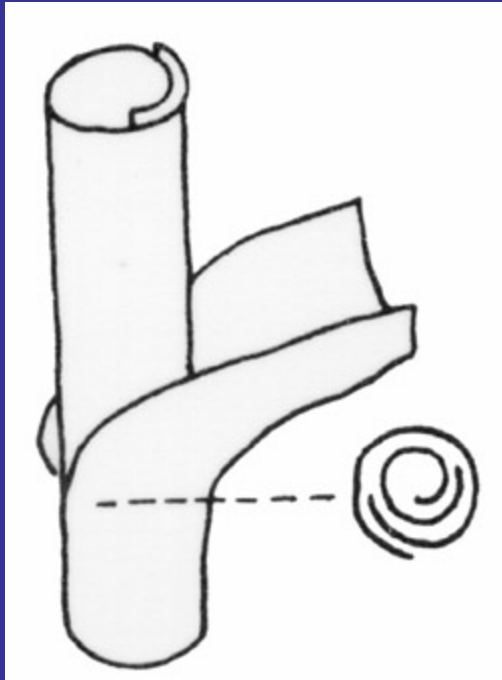
Summer Annual Grass Identification

Barry Tickes

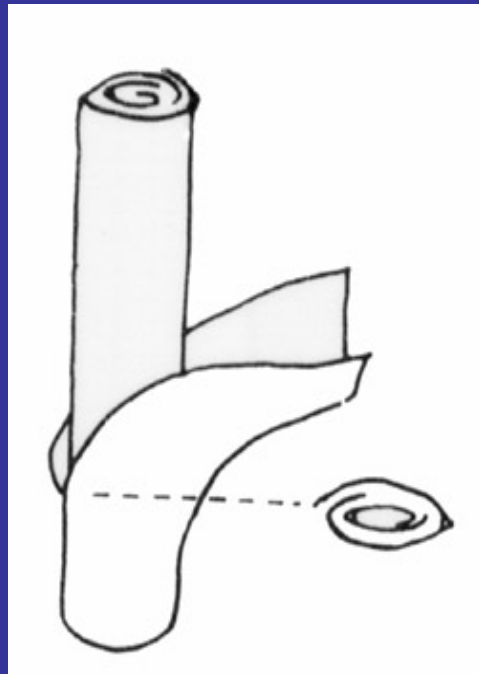
University of Arizona Cooperative
Extension

Summer Annual Grass Emergence-Low Desert

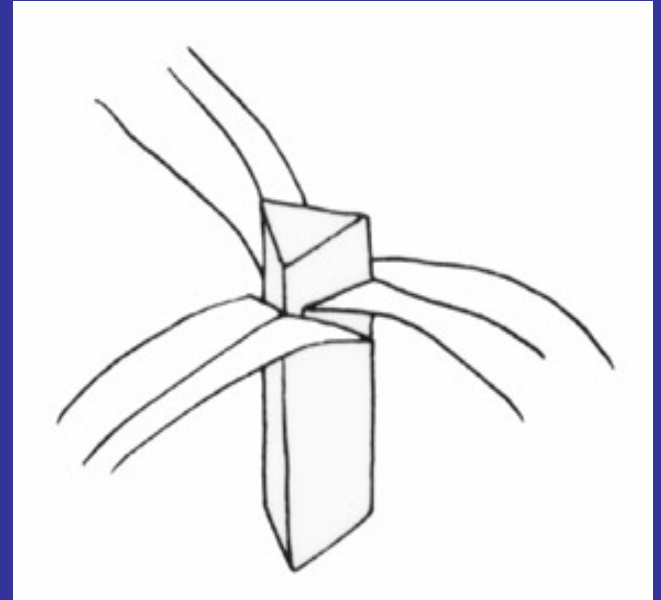




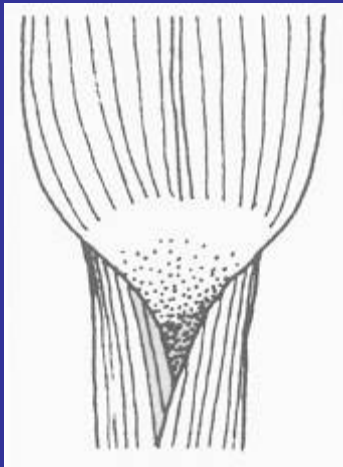
Rolled



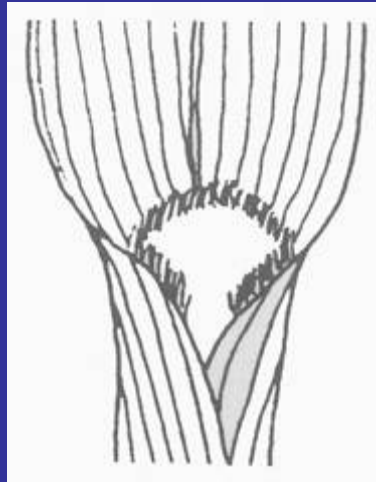
Flat



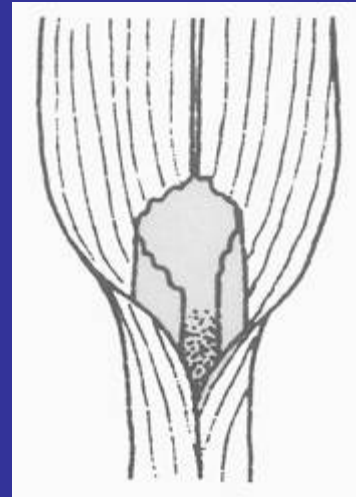
Sedge



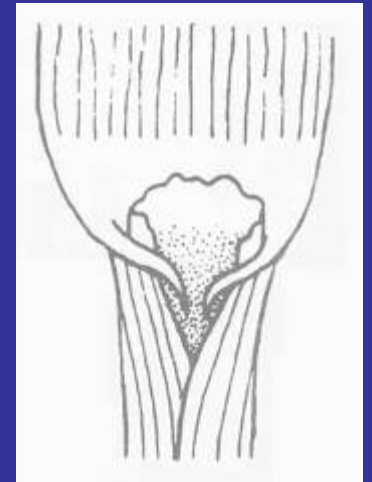
Absent



Hairy



Membranous





Echinochloa

(Jungle Rice, Watergrass,
Barnyardgrass, Cockspur Grass, Zacate
camalote, Zacate de agua)

- *Echinochloa colonum* (watergrass, junglerice)
- *Echinochloa crusgalli* (barnyardgrass)



- **Ligule** : Absent

- **Leaf Blades** : Rolled,
Redish, Flat, Glabrous



Barnyardgrass



Watergrass, Junglerice





Leptochloa

(Sprangletop, Zecate Salado)

- *Leptochloa filiformis* (Red Sprangletop)
- *Leptochloa uninervia* (Mexican Sprangeltop)

- **Ligule :**

Membranous, Thin,
Papery

- **Leaf Blades :**

Rolled, Reddish,
Small hairs on lower
leaves







Sprangletop (Small hairs on lower leaves)



Red Sprangletop



Mexican Sprangletop





Red Sprangletop

Mexican Sprangletop



Eriochloa

(Cupgrass)

- *Eriochloa gracilis* (Southwestern cupgrass)
- *Eriochloa Contracta* (Prairie Cupgrass)



-**Ligule** : Fringe of hair

- **Leaf Blades** :
Wide, hairy on prairie (not on southwestern),
lighter green in color

Southwestern
Cupgrass



Prairie Cupgrass



Southwestern Cupgrass



Prairie Cupgrass

Cenchrus

(Sandbur, Burgrass, Hedgehog grass,
Sandspur, Bear grass, Zacate Cadillo,
Zacate Huachapore)

- *Cenchrus pauciflorus* (Field sandbur)
- *Cenchrus echinatus* (Southern Sandbur)



Ligule : Short
ring of hairs

Leaf Blade :
Rolled,
Flattened





Southern Sandbur



Field Sandbur

Southern Sandbur

Field Sandbur



Setaria

(Foxtail, Bristlegrass, Bottlegrass, Wild millet, Pigeon grass, Zecate cola de zorra amarillo)

-Setaria glauca -Yellow foxtail

-Setaria vividis – Green foxtail

Ligule: fringe of hairs

Leaf sheath:
keeled, rolled, mid-
vein, some hairy









Chloris

(Finger grass, Windmill grass)

- *Chloris virgata* - Feather fingergrass
- *Chloris truncata* – Miranda grass, Truncate fingergrass

Ligule : Short, Membraneous,
Fringed short hairs

Leaves : Flat to boat shaped,
Glabrous















Bermudagrass (*Cynodon dactylon*)



Saltgrass (*Distichlis stricta*)

