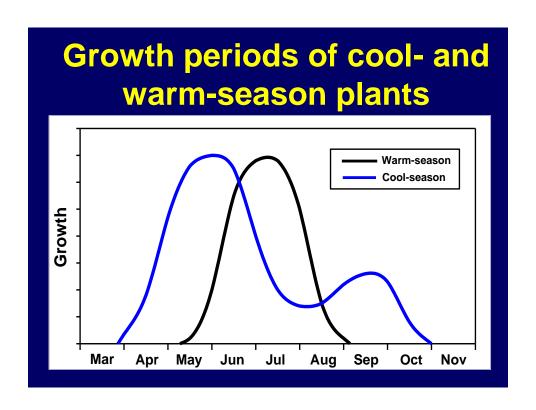
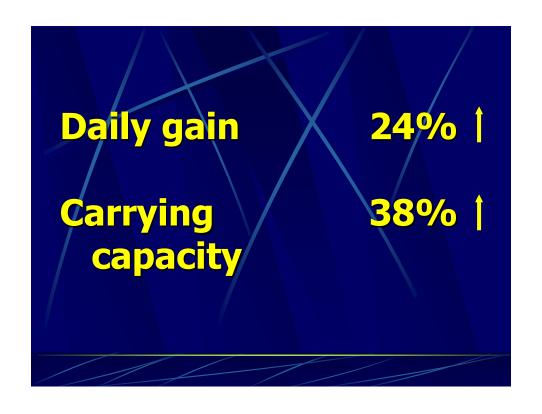


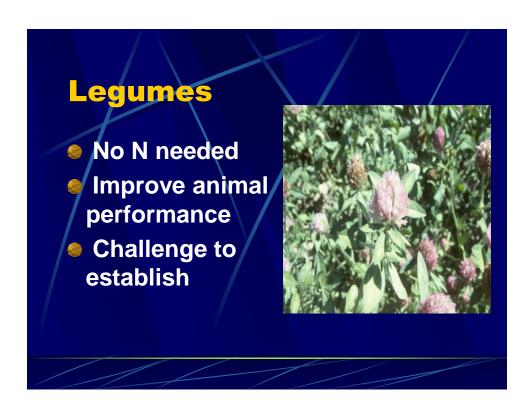
### LIMITATIONS: WARM-SEASON GRASSES

short growing seasongrazing managementmore challengingvigor requirements









#### **Mead Grazing Study**

**Brome pastures** 

Sod-seeded in 1995

**Brome + 50 lbs N** 

**Brome + legume** 

**Grazed 1997 - 2001** 

		_
Mead	Grazino	ı Stuav
		Julian

ADG	Brome + N	Brome + legume
First half	1.64	1.69

#### **Mead Grazing Study**

ADG	Brome + N	Brome + legume
First half	1.64	1.69
Second half	1.20	1.93

#### **Mead Grazing Study**

ADG	Brome + N	Brome + legume
First half	1.64	1.69
Second half	1.20	1.93
Full season	1.42	1.81

#### **Profits?**

- 0.39 lbs/day for 144 days
- 56 lbs/head
- 1.1 acres/head
- 51 lbs/acre
- \$25 more/acre @ 50 cents/lb
- 50 lbs N/acre @ 60 cents/lb
- \$30/acre saved
- TOTAL = \$55 per acre

## Establishment into Existing Grass Sod

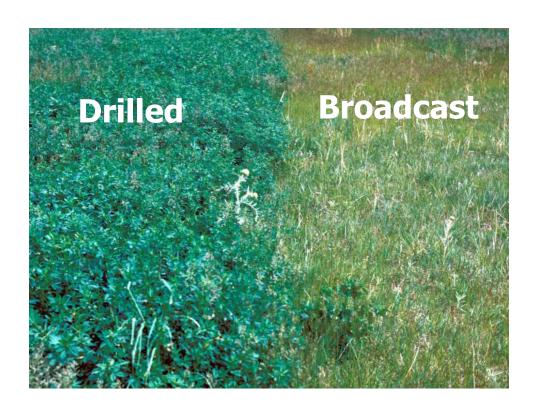


#### Sod - seeding "Basics"

Fertilize for the legume

#### Sod – seeding "Basics"

- Fertilize for the legume
- Seed into soil



#### Sod – seeding "Basics"

- Fertilize for the legume
- Seed into soil
- Control sod competition













## What is a 'weed'?

- --- not eaten by animal
- --- contains anti-quality components

#### Limited problem

Annual grasses

foxtails, crabgrass, barnyardgrass

#### Limited problem

- Annual grasses foxtails, crabgrass, barnyardgrass
- Annual broadleaves velvetleaf, sunflower, pigweed, kochia

#### **Management Strategy**

- Young plants often grazed
- Minimize grazing stress to desired plants
- Spray or clip to limit seed production only if needed

#### Major problem

- Noxious Leafy spurge, thistles
- Poorly grazed perennials Western ragweed, ironweed, vervain
- Brush and trees
  Cedar, locust, osage orange, buck brush

#### **Tools for control**

Burning



#### **Tools for control**

- Burning
- Grazing



#### **Tools for control**

- Burning
- Grazing
- Herbicides

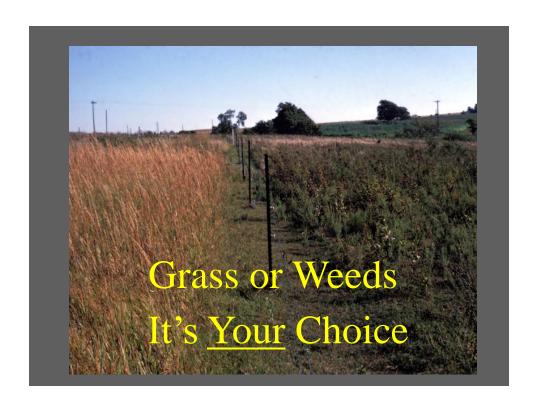


#### **Tools for control**

- Burning
- Grazing
- Herbicides
- Mechanical



The best method of longterm grassland weed control is good grassland management, which includes maintaining healthy, vigorous, competitive grasses.





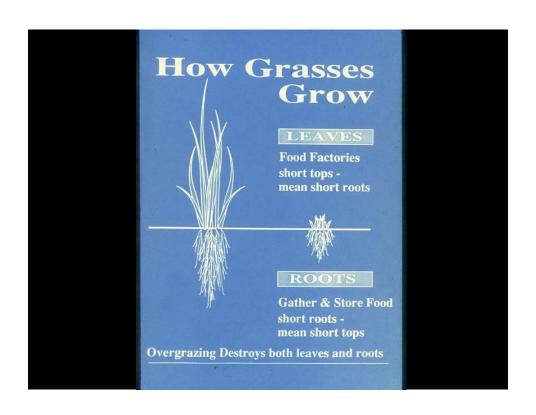


Without good grazing management, all production improvements will be wasted.

#### **Grazing Management**

#### **Control of:**

- -- harvest efficiency
- -- plant vigor
- -- forage quality

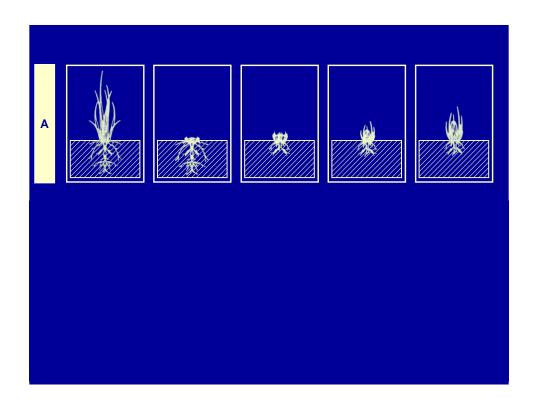


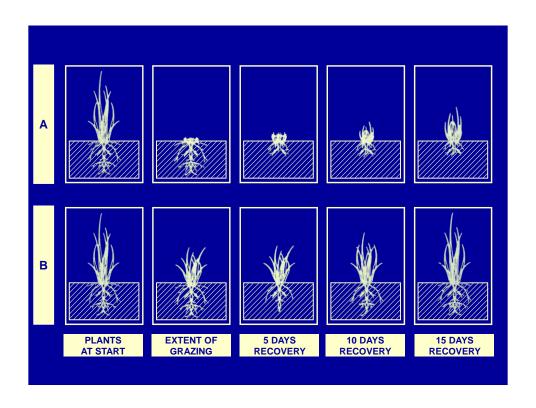
## Leaves must first feed the plant before the plant feeds the animal

Abundant leaves strengthen roots increase forage

slow growth
weaken roots less forage











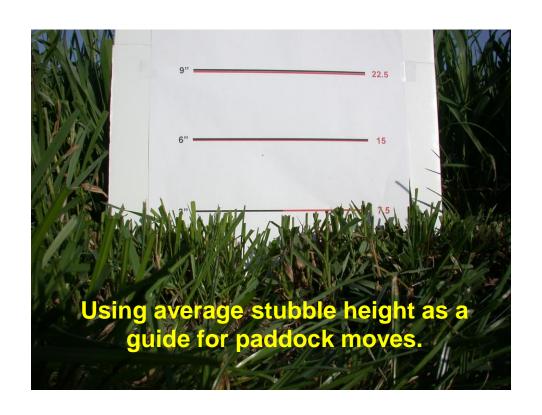
#### "Controlled" Grazing

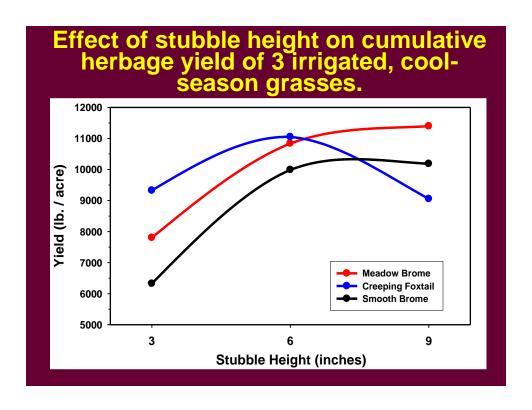
- Two or more pastures
- Periods of grazing or recovery
- Maintain grass stands
- Increase production

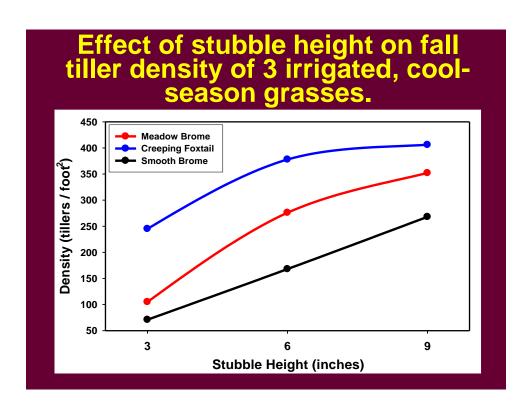


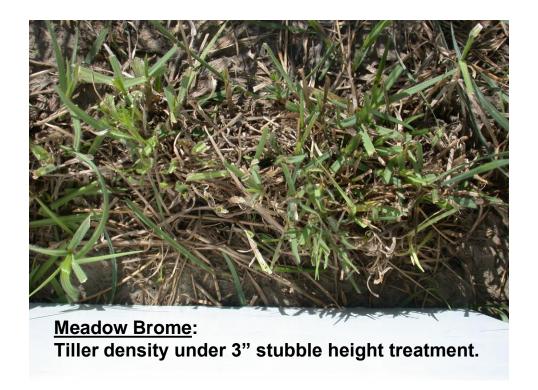


# Intensive grazing does not mean short grazing











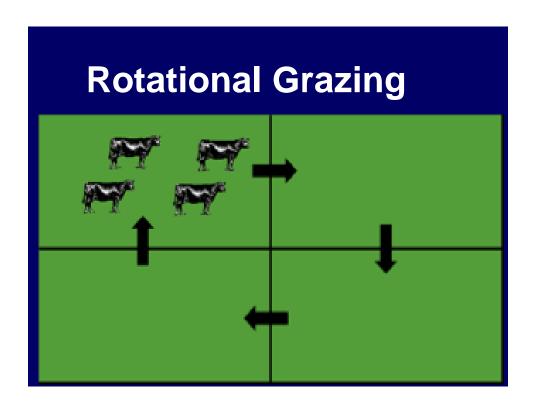
Tiller density under 6" stubble height treatment.

# Intensive grazing means intensive management



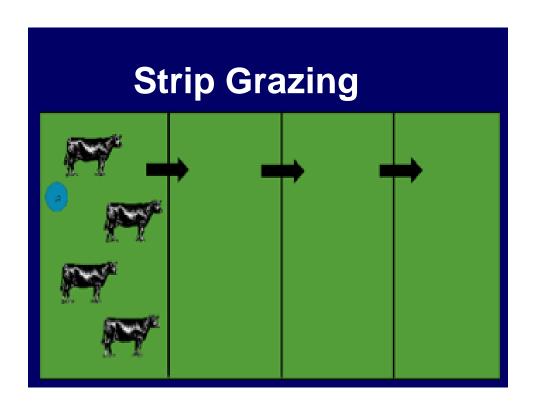
#### **Rotational Grazing**

- planned sequence
- root nutrient reserves and plant vigor renewed during recovery period
- increased forage production
- improved grazing distribution
- greater animal performance



#### **Strip Grazing**

- short-term grazing of small area
- frequent, fresh forage
- increase utilization & reduce selection
- back fence optional; depends on need for recovery after grazing
- most common when grazing stockpiled or annual forages



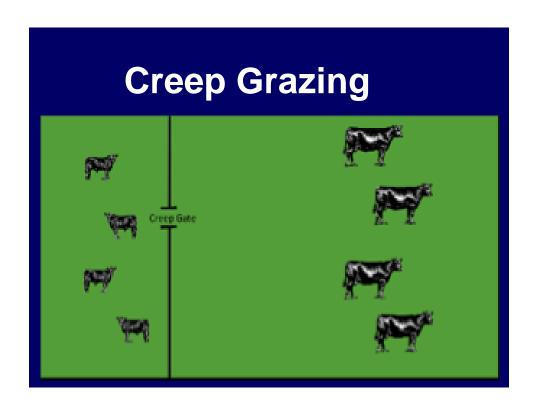
#### Mob Grazing

- large number of animals
- ultra-high stock density
- very short grazing period
- remaining vegetation trampled
- extra long recovery periods



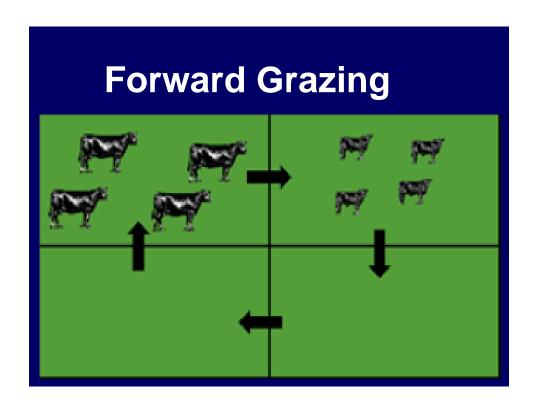
#### **Creep Grazing**

- small area of higher quality forage; often annual or legume based
- younger animal access via creep gate or fence placement
- increased calf gain
- reduced cow energy requirement



#### **Forward Grazing**

- two separate groups of livestock
- one grazes a paddock directly after the other
- first group selectively grazes the more nutritious forage
- second group grazes lower quality forage









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