Practical Grazing System Application

Bruce Anderson Extension Forage Specialist University of Nebraska

Practical Grazing System Application: Extending the Grazing Season

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Goas Challenges

Options

Goals

Goas 300 days of grazing

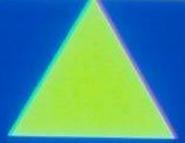
Challenges

livestock









Chalenges Available forage gaps

Options

Two options:



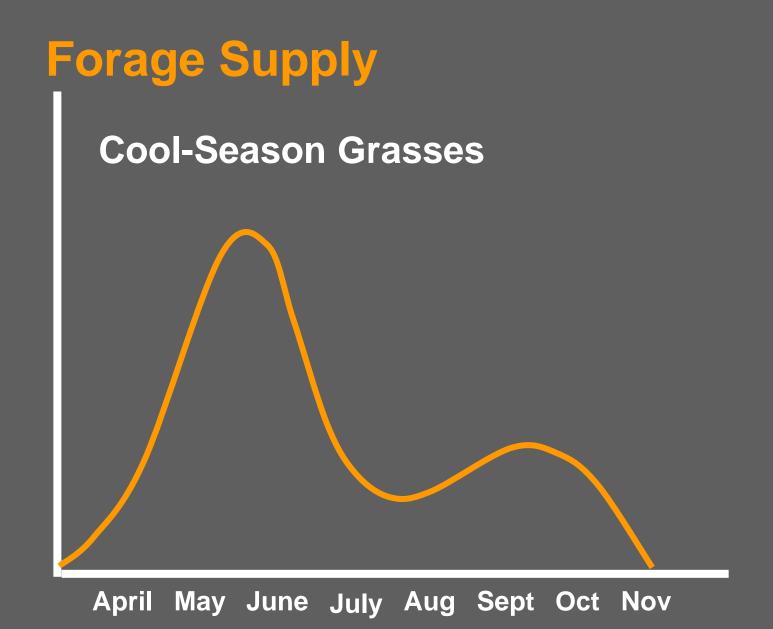


Manage existing perennials

Add annuals

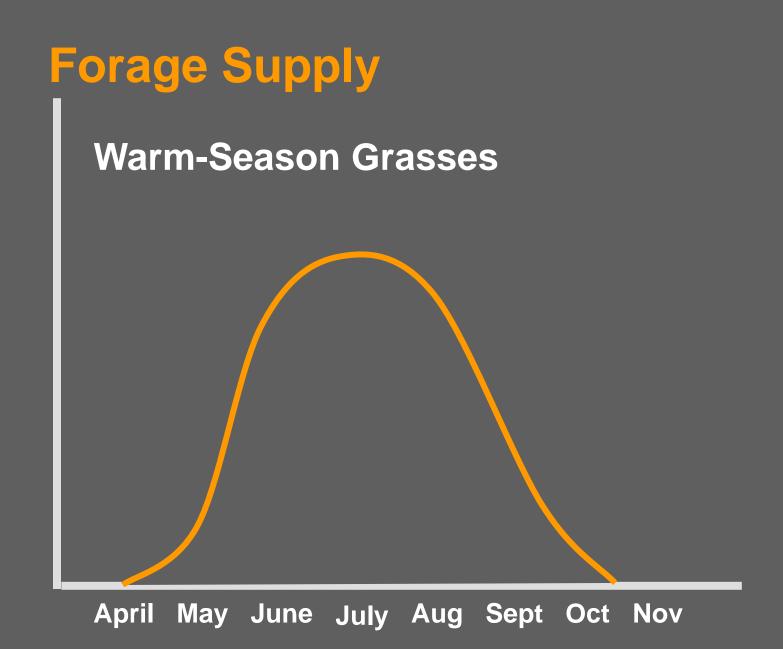


Start with what you have



LIMITATIONS: COOL-SEASON GRASSES

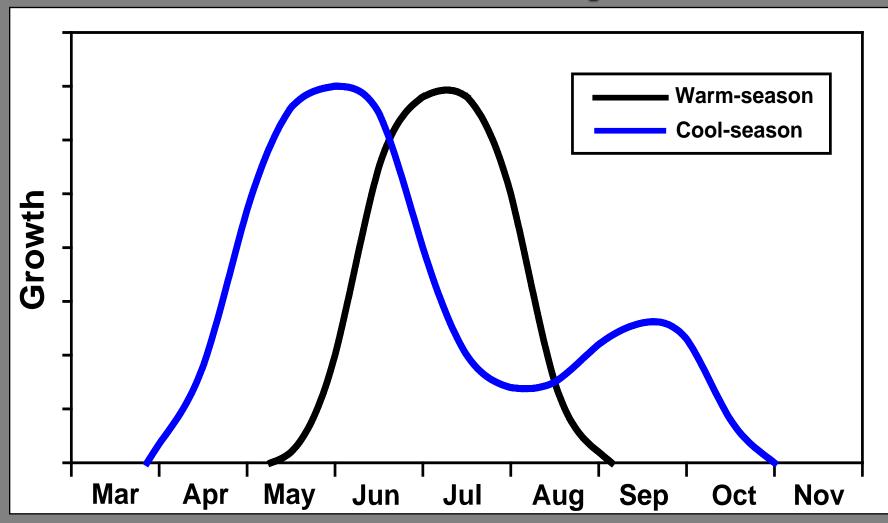
Iow summer production
 Iow summer forage quality
 excessive (?) spring growth
 unreliable fall production



LIMITATIONS: WARM-SEASON GRASSES

short growing season grazing management is challenging vigor requirements

Growth periods of cool- and warm-season plants



Daily gain

Carrying capacity





What else?

Fertilizer

- High and fast response to N
- N costs keep increasing
- Challenge to stimulate more growth when needed



Weed & Brush control

- Chemical costs and risks
- Multiple species
- Weed or feed?



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



G R A P

How Grasses Grow

LEAVES

Food Factories short tops mean short roots

ROOTS

Gather & Store Food short roots mean short tops

Overgrazing Destroys both leaves and roots

M Δ А G Ξ

rapid growth
Abundant leaves strengthen roots
increase forage

Slow growthFew leavesweaken rootsless forage

What can we do to extend grazing of existing perennials?

Fertilizer

- High and fast response to N
- N costs keep increasing
- Challenge to stimulate more growth when needed



Fertilizer

- High and fast response to N
- N costs keep increasing
- Challenge to stimulate more growth when needed



Conserve excess!







Windrow Grazing:

 Windrows left in field for direct grazing; often during fall and/or winter but summer also possible



Stockpile



A mouthful of forage when the supply is low may be worth more than two mouthfuls when forage is plentiful

Annual Forages for Pasture

Warm Season Annuals

Late-spring or early summer seeded: Millet (grazing & hay types) Sudangrass S X S hybrids Cane Teff

48 days (13-Sep.) after 27-July seeding



Preferred Uses of Summer Annuals

Pasture: sudan, pearl millet

Hay: sorghum-sudan, teff, pearl millet, foxtail millet

Silage: forage sorghum







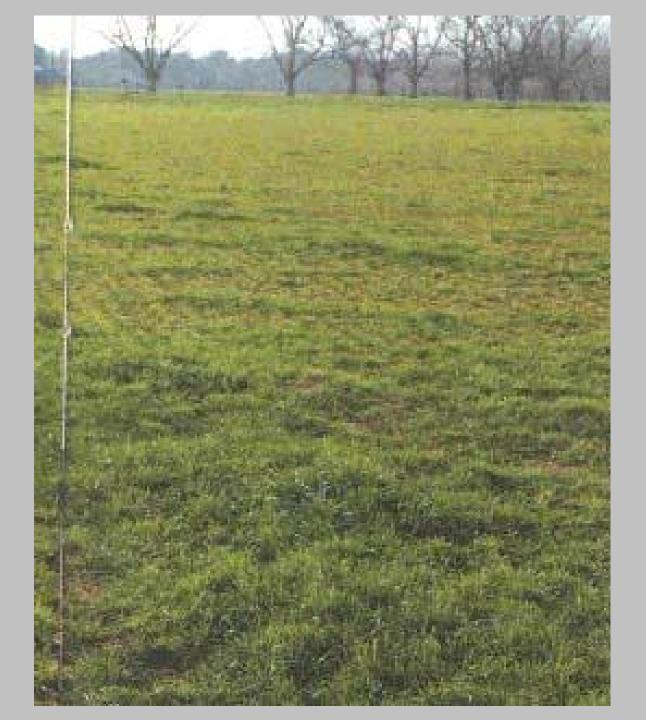


Annual Forages for Pasture

Summer or late-summer seeded (for fall forage):

Annual ryegrass and clovers

Oats, barley, rye, triticale, and/or wheat



Annual Forages for Pasture

Summer or late-summer seeded (for fall forage):

Turnips & other brassicas

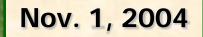


Oats + Turnips (Planted Aug. 20, 2004)





Freeze-down...late November to mid-December



Use imagination

Use imagination Be flexible

Use imagination

Be flexible

Plan ahead

Use imagination Be flexible Plan ahead Opportunistic

Bruce Anderson Extension Forage Specialist Dept. of Agronomy & Horticulture University of Nebraska Lincoln, NE 68583-0910

402/472-6237 banderson1@unl.edu