



Annual Forages: Feed Value

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Species Selection

- Summer planting**
 - Target: September - January grazing
 - Species: Cool season winter sensitive
 - Options:
 - Oats, spring
 - Triticale, spring
 - Barley, spring
 - Turnip, purple top
 - Rapeseed
 - Hybrid grazing turnips
 - Forage collards

** Cut off date is ~mid-September, brassicas by August



Oats, turnips- November
Sept. 9 plant date

Species Selection

- Fall Planting
 - Target: April - June grazing
 - Species: Winter hardy
 - Options:
 - Cereal rye (Elbon, VNS)
 - Triticale, winter
 - Wheat, winter
 - **Vetch, hairy**



Hairy Vetch- March

- For grazing: Do not plant solely **brassicas** or **legumes**, mix in grass species

Planting Date

**High
Moisture
Corn
9/17/16**



**Corn
Silage
9/3/16**

Oat Biomass	574 lbs./ac	2510 lbs./ac	$P < 0.01$
GDD	375	677	
Post-graze Cover	84%	74 %	

Feeding Value

- Maintains quality through winter
- Meets calf and gestating cow requirements for protein and energy

	November	December
DM, %	15.5	59.5
CP, %	23.2	22.9
TDN, %	77.8	67.4

¹Nutrients on DM basis



**Oat, daikon radish, purple top turnip
Sept. 8 planting date**

Calf Performance

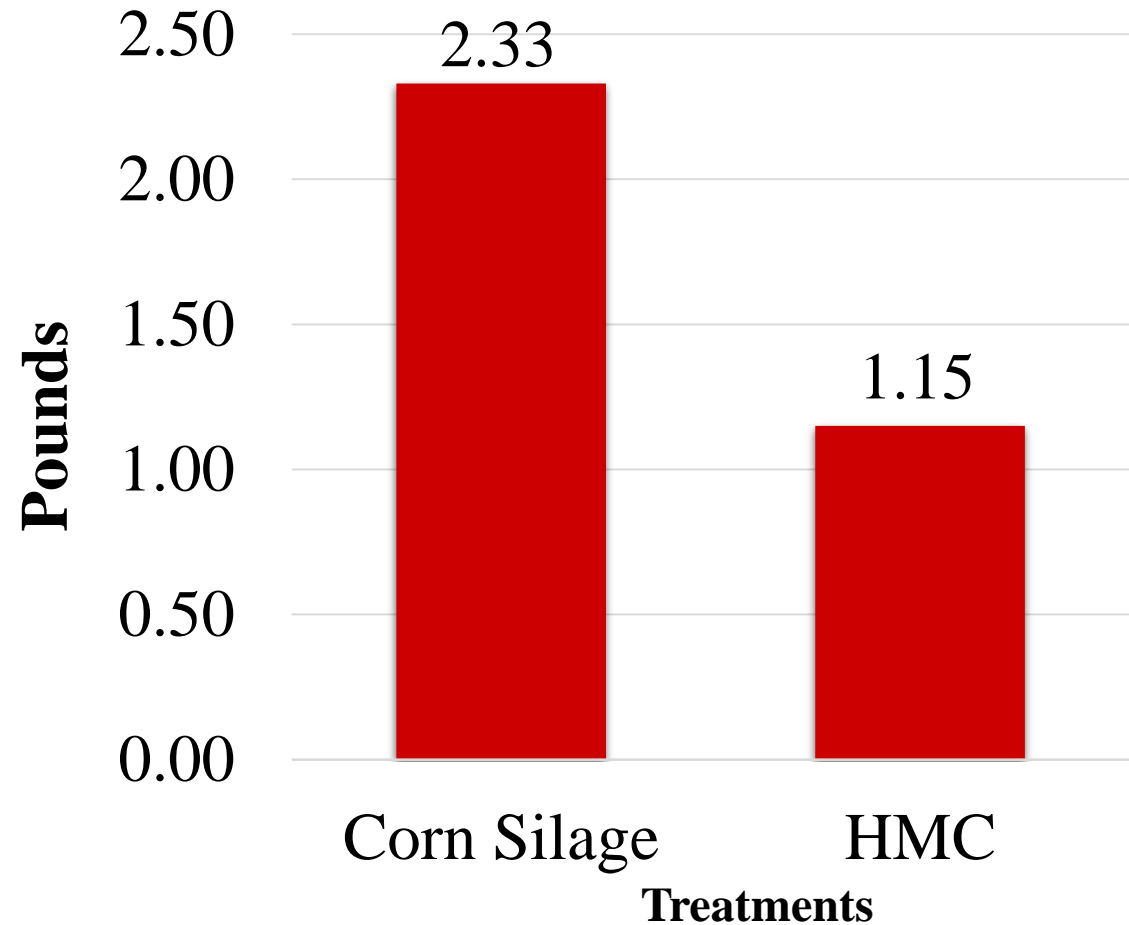


Calf Weights

Corn Silage:	HMC:
478 → 591 lbs.	477 → 532 lbs.

End BW: $P < 0.01$

Average Daily Gain



Late summer plant/late fall graze

Oats and Rapeseed

- 50 lb oats/ 3 lb rapeseed



Oats

- 100 lb/ac

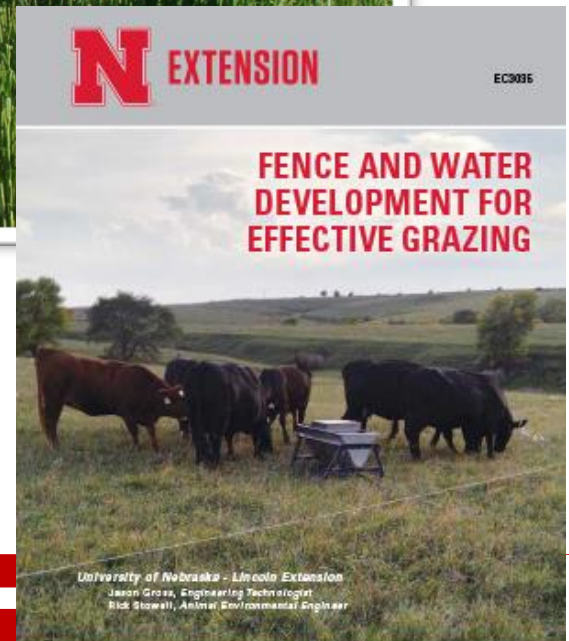
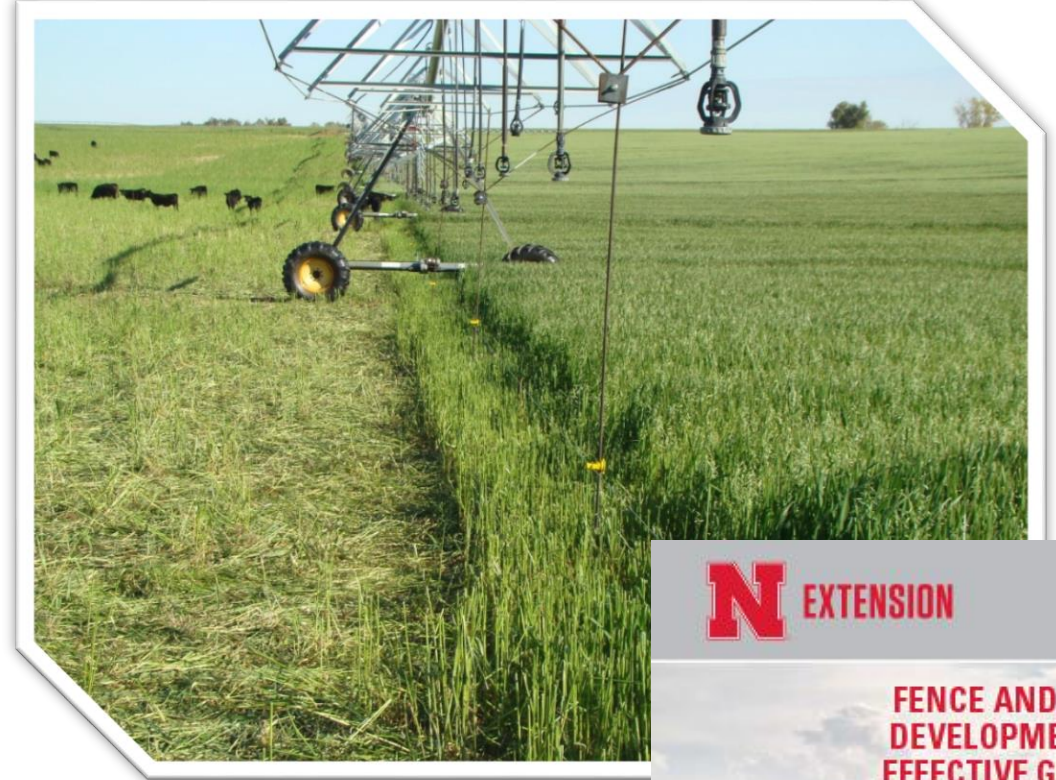


Metabolic Disorders

- Nitrate toxicity
 - All annual grasses
 - Slower rate of intake, diet type and quality, adaptation
- Prussic acid
 - Sorghum, Sudan, Sorghum x Sudan, corn
 - Don't allow to graze until 18 inches tall (watch out for regrowth)
 - Wait 7 days after killing frost
- Grass tetany
 - Lush, immature grasses
 - Lactating cows are concern
 - Feed free-choice mineral with 12-15% Mg; target 3-4 oz./d/hd

Fencing and Water

- Access to water?
 - Pump from well
 - Haul water
- Temporary fencing
 - Move cattle often?
 - Hot fence



Take home...

- What class of animal?
- Determine the right species to fit your window
- Have infrastructure to make work?

For more information:
beef.unl.edu/cropland

