

# Nutrition, Pasture & Supplementation for Sheep and Goats

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# Things to remember...

- Sheep & Goats don't "need" high-quality forage.
- Prefer forbs and browse, but will eat grass
- While basically similar in diet, there are some significant differences in dietary preferences.
- Requirements vary throughout year



# Nutrient Requirements

## Maintenance

### Sheep

154 lb. Ewe

DM – 2.6 lbs.  
(1.7%)

TDN – 1.5 lbs.

CP – .25 lbs.

### Goats

154 lb. Doe

DM – 2.7 lbs.  
(1.8%)

TDN – 1.5 lbs.

CP – .21 lbs.

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# Nutrient Requirements

## Late Pregnancy

### Sheep

154 lb. Ewe

DM – 4.2 lbs.  
(2.7%)

TDN – 2.8 lbs.

CP – .47 lbs.

### Goats

154 lb. Doe

DM – 4.3 lbs.  
(2.8%)

TDN – 2.4 lbs.

CP – .39 lbs.

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# What Does Feed Provide?

- Alfalfa Hay – 1 lb.

DM – 90% DM = .9 lbs.

TDN – 51% TDN = .51 lbs.

CP – 15.3% = .15 lbs.

- Barley – 1 lb.

DM – 88% DM = .88 lbs.

TDN – 76% TDN = .76 lbs.

CP – 11.9% = .12 lbs.

# What Does Feed Provide?

- Kochia – 1 lb.

DM – 90% DM = .85 lbs.

TDN – 51% TDN = .42 lbs.

CP – 15.3% = .08 lbs.

- Brome grass Hay – 1 lb.

DM – 88% DM = .91 lbs.

TDN – 76% TDN = .49 lbs.

CP – 11.9% = .09 lbs.

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# What Does Feed Provide?

- Brome grass Hay – 1 lb.
  - DM – 88% DM = .91 lbs.
  - TDN – 76% TDN = .49 lbs.
  - CP – 11.9% = .09 lbs.
- Brome grass – 1 lb.
  - DM – 34% DM = .34 lbs.
  - TDN – 27% TDN = .27 lbs.
  - CP – 6.1% = .06 lbs.



# Other ESSENTIAL Nutrients

- Water
  - Clean
  - Fresh
- Salt & Minerals
  - Salt is cheap
  - Selenium
    - Vitamin E metabolism
    - White muscle disease

# Pasture Management

- Grazing animals **MUST** be managed!
- You are a Forage Farmer.
- Keeping both pasture and sheep healthy requires effort.
- Farm flocks can be maintained on small, irrigated acreages.

Questions???

