

# Feeding Elite Sheep

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# Topics

**Protein Nutrition**

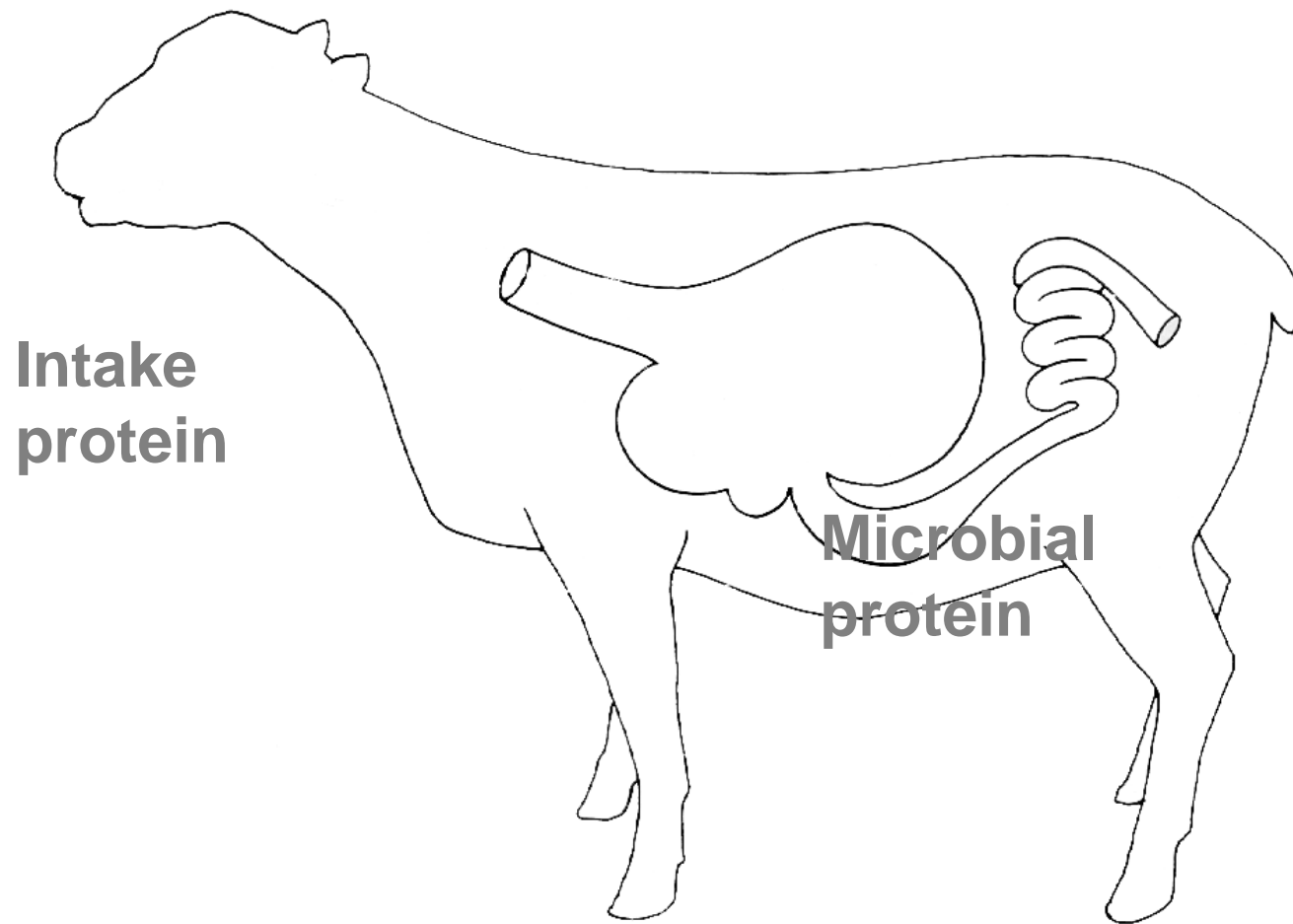
**Late gestation trips plus**

**Lactation rations**

**Special needs**

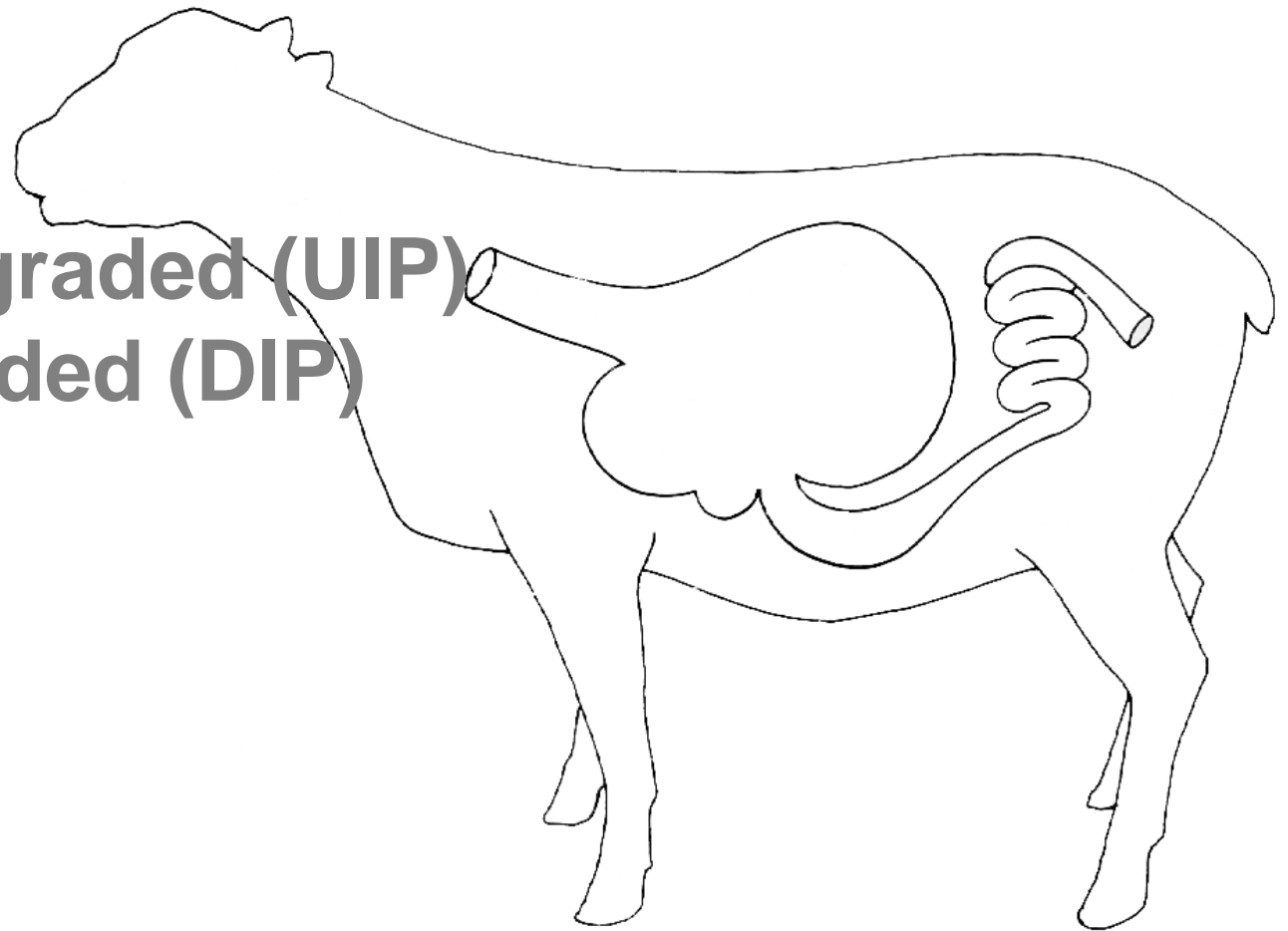


# Protein Sources



# Intake Protein

**Undegraded (UIP)**  
**Degraded (DIP)**



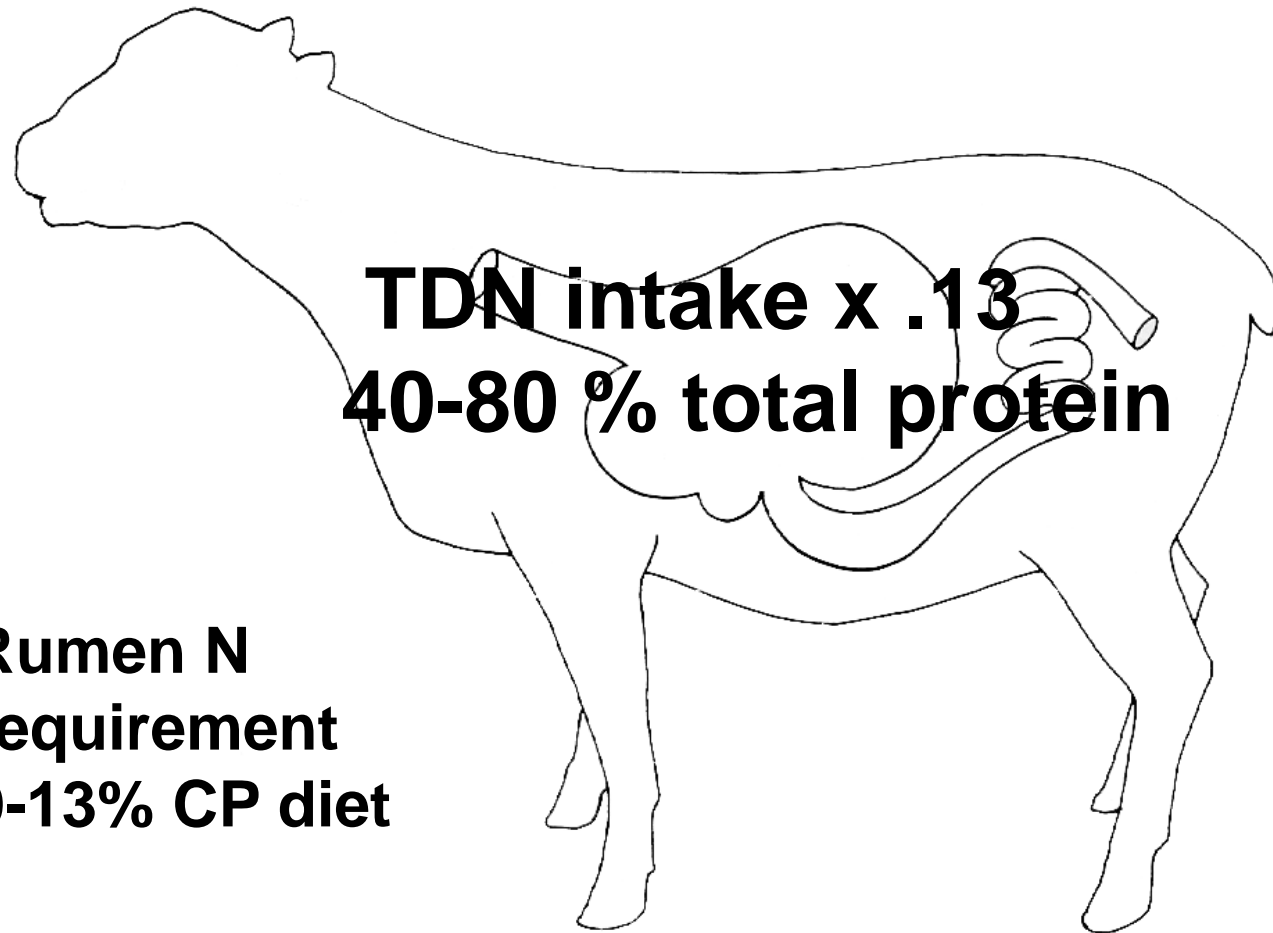
# Intake Protein

<u>Ingredient</u>	<u>% CP</u>	<u>%UD</u>
Corn	7.5	40
Alfalfa hay	14-22	15
SBM	43	40
CGM	60	60
DDG/S	27	62
P. Bloodmeal	83.7	80
Urea	281	0

# Value of Protein Sources for UIP

	<b>% CP</b>	<b>% UIP</b>	<b>UIP Conc. %</b>
<b>Grass Pasture</b>	<b>6-20</b>	<b>10</b>	<b>2</b>
<b>Alfalfa Hay</b>	<b>16-24</b>	<b>15</b>	<b>2.7</b>
<b>Corn</b>	<b>7.5</b>	<b>40</b>	<b>3.0</b>
<b>SBM 44, Solvent</b>	<b>44</b>	<b>25</b>	<b>11</b>
<b>SBM 44, Expeller</b>	<b>43</b>	<b>50</b>	<b>21.5</b>
<b>CGM</b>	<b>60</b>	<b>40</b>	<b>24</b>
<b>P. Blood Meal</b>	<b>85</b>	<b>80</b>	<b>68</b>
<b>Fish Meal</b>	<b>60</b>	<b>40-80</b>	<b>24-48</b>

# Microbial Protein Yield



# Maximizing Microbial Protein Yield

## Energy: Protein Ratio

### TDN

<u>Concentration</u>	<u>% CP</u>
50%	7.8
65%	9.8
80%	12.1

.13 lbs microbial crude protein/lb TDN



# Protein Nutrition

## Why do we care?

Deficiency reduces production

depressed forage digestion  
range forage and corn stalks

Shortage of UIP

Lighter muscled and fatter individuals?

# Brands

Ration balancing software

# Feeding prolific ewes

Ewes 3% of bodyweight per day

250 pound ewe will consume 7.5



**Self fed hay  
Good idea or not?**

# Late Gestation

**Rumen capacity limited**

**Ration hay amounts fed**

**Feed more grain and protein**

# Birth weight targets

Singles 7% of dam weight

Twins 6.5% of dam weight

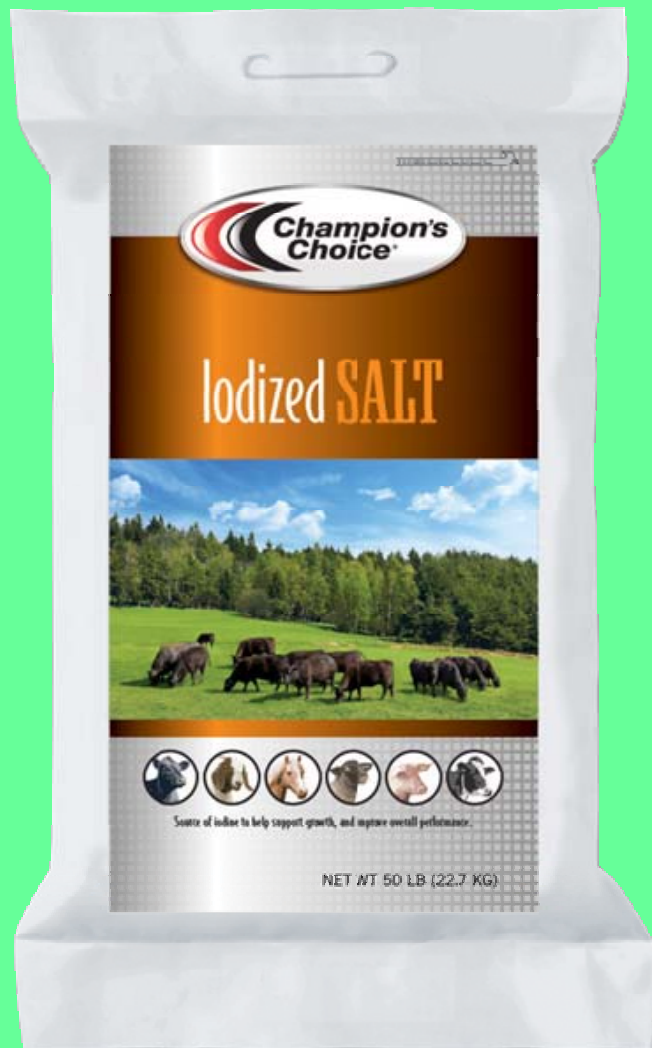
Triplets 5.5% of dam weight

250 lb ewe = S 17.5 Tw 16.3 Trip 13.8



# Brands

# Iodine



Lactation Ration = .8 ppm  
or mg/kg

Most mineral mixtures are  
short needs to be 140  
ppm mineral with .5 oz  
intake

Solution free choice  
iodized salt in LG & lact.  
or cobalt iodized salt

# On farm vitamin fortification

50 ewes free choice mineral with .5 ounce intake

ADE premix 2 million A, .5 million D and 4000 E / lb

Vitamin E 20,000 iu/lb

Ewes need 3500 IU A and 150-300 IU E



# Mineral recipe

.5 oz X 50 head X 7 days / 16oz = 10.9 lbs

add

.7 pounds Kent ADE Premix (storage)

2.5 pounds Vitamin E (20K IU/lb)

Provides ewes 3800 IU A, 960 D and 138 E

Cost per week \$3.00 or \$3.00 per ewe per  
year

# Questions

