



Flathead County 4-H Sheep Projects Nutrition and You

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CHS Nutrition
Nutrition Consultant



Tomorrow's producers Today

- What is your project?
- What are your goals?
- What are your tools?
- What is your motivation?



Put Your Best Foot Forward

- Select the right animal for the right date
- Determine how much weight gain is needed
- Determine ADG(Average Daily Gain)
- Select Feed Source
- Provide the best growing environment





Let's Get to Work



- Animal
- Feed Plan
- Shelter/Space





Project Profiles

4H and FFA Livestock Market Project Management Tips

	Average ADG	Days	ADG	Finished Weight Range	Rectal Temperature
Beef	2.8#	240	2-4#	1200-1400#	101 F
Swine	1.7#	90	1-2#	230-270#	102.5 F
Sheep	0.6#	90	0.4-0.9#	125-150#	102.3 F
Goat	0.35#	90	0.25-.6#	80-120#	103 F



Average Daily Gain

TAKE POUNDS OF GAIN NEEDED DIVIDED
BY NUMBER OF DAYS TILL THE SHOW

EXAMPLE

Market Lamb

130# target wt- 70# current wt=60# gain

80 days to the fair

$60\#/80 \text{ days} = 0.75\# \text{ of gain per day}$



Nutritional Requirements

- ENERGY
- PROTEIN
- FIBER
- MACRO MINERALS
- MICRO MINERALS
- WATER



Meeting Those Requirements



- Grains– whole, ground and rolled– Corn, Oats, Barley
- Fiber sources– Beet pulp, midds, corn cobs, malt sprouts, alfalfa pellets
- Protein–SBM, canola, DDG
- Fat– Vegetable oil, DDG, Rice Bran
- Forage– straw, grass, grain hay, alfalfa





Lamb Feed Tag



Lamb Show Feeds

Performance Nutrition for the Show Ring

Payback™ Champion Lamb Benefits:

- 17% Protein for maximum genetic growth and frame.
- High energy feed for muscle development and fast efficient gain.
- Contains Yeast Culture and Yucca Schidigera (Micro Aid™) to stimulate appetite and improve rumen function.
- Fortified with Zinpro® Performance Trace Minerals for improved immune system function and hoof health.
- Contains no added Copper.
- Ammonium Chloride as an aid in the reduction of Urinary Calculi.
- Bovatec for the Prevention of Coccidiosis
- No withdrawal necessary.



Champion Lamb Texturized B30 Medicated

For growing and finishing sheep.
For the prevention of coccidiosis caused by Eimeria ovina, Eimeria crandallii, Eimeria ovinoidalis (Eimeria ninakohlyskovae), Eimeria parva and Eimeria intricata in sheep maintained in confinement.

ACTIVE DRUG INGREDIENT
Lasalocid30 g/ton

GUARANTEED ANALYSIS

Crude Protein* not less than	17.0 %
*(This includes not more than 1.0% equivalent crude protein from non-protein nitrogen)	
Crude Fat not less than	4.0 %
Crude Fiber not more than	9.0 %
Calcium not less than	0.75 %
Calcium not more than	1.25 %
Phosphorus not less than	0.5 %
Salt not less than	0.25 %
Salt not more than	0.75 %
Selenium not less than	0.3 ppm
Vitamin A not less than	4,500 IU/lb
Vitamin D not less than	450 IU/lb
Vitamin E not less than	30 IU/lb

FEEDING DIRECTIONS
CHAMPION LAMB TEXTURIZED B30 MEDICATED is a complete feed for growing and finishing show lambs. This product contains 30 grams/(15 milligrams/pound) of lasalocid. Feed continuously to provide not less than 15 nor more than 70 milligrams of lasalocid per head per day depending on body weight. (1.0 to 4.67 pounds per head per day). Lambs should be gradually adjusted to CHAMPION LAMB TEXTURIZED B30 MEDICATED in order to reduce the risk of overeating and other digestive disturbances. Lambs should be offered approximately 10% good quality long hay. Fresh, clean water should be available at all times.
WARNING: A withdrawal period has not been established for this product in pre-ruminating cattle. Do not use in calves to be processed for veal.
CAUTION: The safety of Lasalocid for use in unapproved species has not been established. For ruminant use only.



Champion Lamb Pellet B30 Medicated

For growing and finishing sheep.
For the prevention of coccidiosis caused by Eimeria ovina, Eimeria crandallii, Eimeria ovinoidalis (Eimeria ninakohlyskovae), Eimeria parva and Eimeria intricata in sheep maintained in confinement.

ACTIVE DRUG INGREDIENT
Lasalocid30 g/ton

GUARANTEED ANALYSIS

Crude Protein* not less than	17.0 %
*(This includes not more than 1.0% equivalent crude protein from non-protein nitrogen)	
Crude Fat not less than	4.0 %
Crude Fiber not more than	14.0 %
Calcium not less than	0.75 %
Calcium not more than	1.25 %
Phosphorus not less than	0.5 %
Salt not less than	0.25 %
Salt not more than	0.75 %
Selenium not less than	0.3 ppm
Vitamin A not less than	4,500 IU/lb
Vitamin D not less than	450 IU/lb
Vitamin E not less than	30 IU/lb

FEEDING DIRECTIONS
CHAMPION LAMB PELLETS B30 MEDICATED is a complete feed for growing and finishing show lambs. This product contains 30 grams/(15 milligrams/pound) of lasalocid. Feed continuously to provide not less than 15 nor more than 70 milligrams of lasalocid per head per day depending on body weight. (1.0 to 4.67 pounds per head per day). Lambs should be gradually adjusted to CHAMPION LAMB PELLETS B30 MEDICATED in order to reduce the risk of overeating and other digestive disturbances. Lambs should be offered approximately 10% good quality long hay. Fresh, clean water should be available at all times.
WARNING: A withdrawal period has not been established for this product in pre-ruminating cattle. Do not use in calves to be processed for veal.
CAUTION: The safety of Lasalocid for use in unapproved species has not been established. For ruminant use only.

- CP of 16–17% for optimum muscle development
- Hi Fat 3–4% for improved shine and weight gain
- Full trace mineral and vitamins for improved health
- Diamond V yeast culture to help keep lambs on feed
- Feed Additives



FEED ADDITIVES

- IONOPHORES– BOVATEC OR RUMENSIN
 - Improves feed efficiency and rate of gain, helps prevent coccidiosis and has no withdrawal
- SODIUM BICARB
 - Helps prevent acidosis
- YEAST
 - Keeps rumen microbes functioning at high levels
 - Great for the heat of the summer



PAYBACK[®]

Always Check the Tag



- Name of feed
- Is it the right kind of feed
- Medicated
- Feeding directions
- Form



General Feeding Guidelines

- Hand feed twice daily, close to the same time of day. You will get the best gains and feed efficiencies this way!
- If self-feeding, never let the feeder run empty and keep it clean of bad feed and foreign material.
- Feed by weight and not volume
- Feed long stem, grass / grass alfalfa mix hay, no straight alfalfa.
- Provide free choice salt and mineral



Starting on Feed

- Start slow and be consistent with your feeding times
- **WEIGH FEED OUT– AVOID FEEDING BY VOLUME**
- Start lambs on .25–.50 pounds of grain a day
- **INCREASE FEED: 0.25 # for Lambs PER DAY EVERY 3 DAYS AS LONG AS THEY ARE CLEANING IT UP**





Sheep Feeding Table

Payback Show Sheep Feeding Sheet

Sheep Wt.	Days on Feed		# Grain	# Hay
55	1	12	2.3	1
66	13	24	2.5	1
77	25	36	2.9	1
88	37	48	3.3	1
99	49	60	3.8	1
110	61	72	4.2	1
121	73	84	4.3	1
131	85	96	4.4	1
Totals	76		332.4	76

- Lamb feed needs to be very palatable to keep them on feed through out the summer heat

- Feeding lambs multiple times per day will help them achieve gains higher than expected



Why Your Animal Might Go Off Feed

- Animals will go off feed for many reasons. The feed is not the sole reason animals go off feed. Good management will reduce and minimize this obstacle.
- Bloat or acidosis will cause animals to go off of feed and leading causes for this are:
 - Irregular feedings
 - Change of feeds
 - Feeder ran out feed and was recently refilled and animals overate
 - Feeding of rich forage such as alfalfa with a rich energy feed



Why Your Animal Might Go Off Feed Cont.

- Animals tend to go off feed if:
 - No water is available to drink or the water is frozen, too hot or dirty
 - They are sick
 - They are stressed
- Keep accurate records or what your animal normally consumes
 - How much they eat
 - How fast they eat it
- Understand what is normal behavior and watch for any changes in this behavior





Water





Daily Water Needs for Livestock

- BEEF CATTLE– 7 TO 17 GALLONS
- DAIRY CATTLE– 10 TO 29 GALLONS
- HORSE– 8 TO 12 GALLONS
- SHEEP/GOATS– 1 TO 4 GALLONS
- SWINE– 3 TO 6 GALLONS

Maintain cool, clean, free choice access to water!





Let's Get to Work



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- Shelter/Space





Make 'Em Cozy

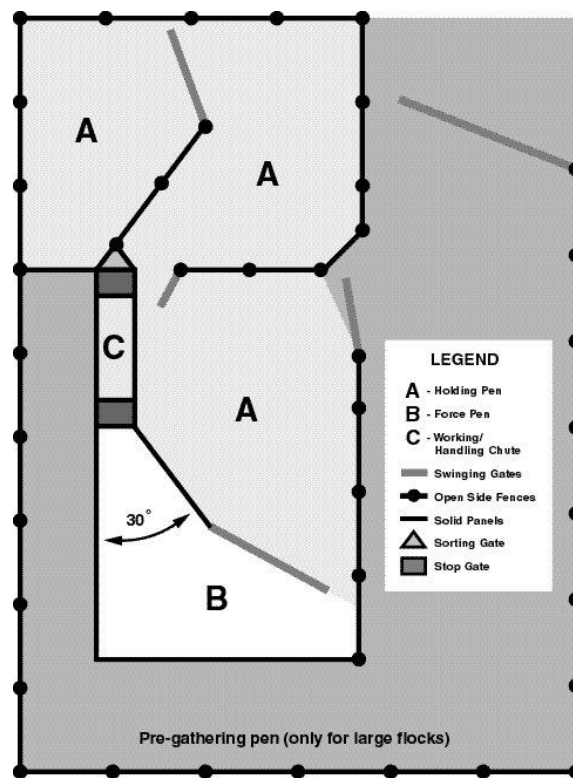
- Make sure that your animal has enough space
- Have a place the animal can get out of the weather
 - This means both the **HOT** and the **COLD**
- Animals will perform best on feed between 50–68 degrees F
- Have a plan for the extreme heat





Space Requirements

- Lambs—10–15 square feet for pen
- 12" in surface area for feeder
- 10" (throat high) for feeder height
- Normal outdoor lighting 6hrs light/dark
- Proper ventilation





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Some Final Thoughts

- Have a good health check list
- Deworm and vaccinate– check with your veterinarian for recommendations
- Have a veterinarian connection
- Have an emergency plan
- Work with animals during the comfortable time of day for the animal
- Use the tools you have
- Have a blast
- Take pride in your project



Questions?

