YourLivestock Feed Supply Guide

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NORTH DAKOTA AGRICULTURAL / LEGE

FEED NEEDED FOR LIVESTOCK

A guide to compute the minimum amount of feed seeded per animal for one year under average feeding conditions.

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Į	I	No Legume Ro	ughage	With at least 1/2 Legume Roughage		
Class of Livestock	Grain lbs.	41 % protein supplement (lb)	Native Hay or Hay Equi- valent Ton	Grain los.	41% Protein supplement	Hay or hay Equivalent
Sheep Pregnant Ewes (or ram) (210 days feeding) Fattening lambs (dry lot 100 days)	30 160	10 15	800 lbs. 175 lbs.	30 160		750 lbs. 160 lbs.
Beef Cattle Cow (1000) lbs. (180-day feeding) Yearlings (180 day) Calves (180 day)	180	100 150 180	1.5 1.5 1.0	180		1.5 tons 1.25 tons 1.0 ton
Feeder Cattle (Dry lot) Long yearlings 150 days - high roughage Two-yr. olds (120 day) Yearlings (180 day) Calves (210 days)	1800 2250 2600	150 225 350	. 66 . 50 . 50	600 1900 2400 2700	300 150	.2 ton alfalfa 4.50 corn silag .66 .50 .50
Dairy Cattle Cows producing 5,000 lbs. (plus pasture) For each additional 1,000 lbs. add Yearling heifers (plus pasture) Dairy calves	475 375 200 300	125 100 150 200	3.5 1.5 1.0	375 375 200 200	25 25 50-75	3.5 1.5 1.0
<u>Horses</u> 1,400 lbs. (idle) plus pasture For each working day	10		1.5	10		1.5

41% protein	Alfalfa hay
supplement	lbs.
lha	

	lbs.	supplement lbs.	lbs.
Hogs Gilts and Sows (per head)			
Pregnancy (114 days)	630	55	115
Lactation (6 weeks)	460	40	50
Drying up Sow (12 days)	88	7.5	
Pigs (per pig)			
Creep (6 weeks)	25 (complete r	ation)	
Grower (3 weeks)	30 (complete r	ation)	
Growing fattening		1	
(40 lbs. to 200 lbs)		1	
Pelleted barley	530 (complete r	ations)	
Ground barley	580	30	
Corn	450	75	

Grain

RELATIVE FEEDING VALUES

	Dairy Cows	Fattening Beef Cattle	Fattening Lambs	Fattening Hogs
Corn	100	100	100	100
Barley	100	90	87	91-100
Oats	90	85	80	85
Wheat	100	100	85	103
Millet and Sorghum	100	92	95	90-100

Relative feeding values are not exact. These will vary with weight, quality and amount of each feed used in rations.

Good pasture will reduce protein requirements and grain requirements about 10%.

HAY AND SILAGE PRODUCTION ESTIMATE

Red River			21,12				
Valley	Tons	Central	Tons	Western	Tons	Irrigated	Tons
Alfalfa	3	Alfalfa	2.0	Alfalfa	1.5	Alfalfa	7.0
Brome	2	Brome	1	Crested	.5		
Alfalfa,	ļ	Alfalfa		Alfalfa		Alfalfa	
Brome	3	Brome,		Brome		Grass Mix	7.0
	ļ	Crested	2	Crested	1.5		
S. Clover	3	S. Clover	2	S. Clover	1.0		
Sudan	4	Sudan	3	Sudan	1.5		
		Native	1.0	Native	.5		
Corn Silage	8		6		5		10
Oat and							
Pea Silage	7]	5		4		10

Hay and Silage Production Estimate by I.T. Dietrich, Extension Soil Conservationist and William Wiidakas, Associate Agronomist, Experiment Station.

SEASONAL PASTURE REQUIREMENTS NORTH DAKOTA LIVESTOCK

I. T. Dietrich, Extension Soil Conservationist

Acres per Head For Each Kind of Pasture

Class and Age of Livestock	Red River Valley	Central North Dakota	Western North Dakota	Irrigated	
1 beef cow and calf or 1 dairy cow	1 acre grass legume or Brome (May-June) plus ½ acre sweet clover or sudan (July-Sept)	1½ acre grass- legume crested or brome (May-June) plus 5-8 acre native pasture or 3/4 acre sweet clover or Sudan (June-Sept)	native grass (June-Sept)	1 acre grass-legume (May-Sept)	
1 yr. steer or heifer	(.6 of acreages shown above)				
1 ewe and lamb	(.2 of acreages shown for beef cow and calf)				
1 sow and litter	½ acre alfalfa or grass- legume OR	½ acre alfalfa or grass- legume OR	3/4 acre alfalfa or grass-legume OR		
	1/4 acre rape and oats	1/3 acre rape and oats	1/2 acre rape and oats	1/4 acre rape and oats	
	and 1/4 acre winter rye	and 1/3 acre winter rye	and 1/2 acre winter rye	and 1/4 acre winter rye	

Complete the chart below by multiplying the number of livestock you plan to have by the pounds of feed needed per head. Determine the number of acres needed to produce the required feed by using your estimated production of grain and roughage per acre on your farm.

How to use Table:

- Protein: For cattle and sheep, use protein of vegetable origin.
 For hogs, use mixtures of animal and vegetable proteins.
- 2. You can substitute silage for hay at a rate of 3 pounds silage per pound of hay. To figure amount of silage to use multiply pounds of hay required by 3 to give pounds of silage needed.
- 3. One gallon skimmilk will replace 1 pound of 35 percent protein supplement for hogs.

YOUR ANNUAL FEED NEEDS

KIND OF LIVESTOCK	Number	Corn	Oats	Barley	Silage Hay	Supple ment	Pasture
AND NUMBER ON FARM		Poi	ınds N	eeded	Tons needed	Pounds needed	Acres needed
Beef breeding cattle							
Feeder cattle							
Dairy cattle							
Hogs							
Sheep	******						

Total feed neededlbs lbs lbslbsTTlbsAcres
My Supply lbs lbs lbs TTlbsAcres
Acres Required A A A A A Acres

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