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Budgeting Livestock Feed Needs

Cooperative Extension South Dakota State University

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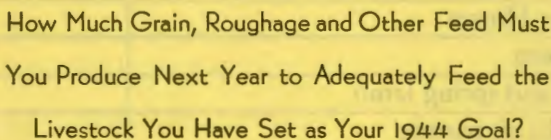
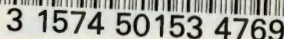
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Budgeting

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Budget Your Feed Needs Now!

EXTENSION SERVICE

SOUTH DAKOTA STATE COLLEGE

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Livestock Feed Planning Chart

Instructions: Place numbers of each kind of livestock in column 1. Multiply those numbers by amounts in columns 2-7 and place the results in columns 8-13. Total each column to get feed needed.

Kind of Livestock	Requirements Per Head Per Year Except as Noted Below							Total Feeds Needed					
	No. of Head 1	Legume Hay 2	Other Hay or Fodder 3	Silage 4	Corn or Its Equal 5	Small Grain 6	High Protein Feed 7	Legume Hay 8	Other Hay or Fodder 9	Silage 10	Corn or Its Equal 11	Small Grain 12	High Protein Feeds 13
Dairy Cattle		Tons	Tons	Tons	Bu.	Bu.	Lbs.	Tons	Tons	Tons	Bu.	Bu.	Lbs.
Milk Cows (250 lbs. B.F.)		2.5	2.5	3	13	36	400						
Bulls		3	3		10	35							
Yearling Heifers		1	1	1.5	3	6	50						
Calves (to 1 year)		.5	.5	.5	4	16	50						
Beef Cattle Farm Conditions													
Cow or bull		2	2	3									
Yearling Heifers		1.5	1.5	2	5	8							
Calves to 1 year		1	1	.5	2	6	50						
Beef Cattle Range Conditions													
Cow or bull		1.5	2				150						
Yearling Heifers		.75	1				100						
Calves to 1 year		.5	.75				100						
Fattening Cattle (Dry Lot)													
Calves (500 lbs. gain)		.75	.75	1.25	40	10	250						
Yearling steers (400 lb. gain)		.75	.75	1.25	35	10	150						
Hogs													
Sow and 6 pig litter to 230 lb.					115	25	400						
Pigs (Inc. breeding stock to 235 lb.)					15	7	60						
Feeder pigs per 100 lb. gain					6.5	3	25						
Horses													
Horses (work 2-3 mo.)		2	2.5			40							
Colts under 2 years		1.25	1.75			25							
Other Horses			2.5										
Sheep		lbs.	lbs.	lbs.				lbs.	lbs.	lbs.			
Ewe and spring lamb		500	600	500	3	2	25						
Lambs on pasture		50	50		1	2							
Western Lambs (Dry Lot)		150	150		3		15						
Ewes-Rams Range Conditions		200	200		2		25						
Poultry					lbs.	lbs.	lbs.				lbs.	lbs.	lbs.
1 Hen (120 eggs per year)					13	26	38						
1 Pullet (120 eggs per year)					17	33	25						
1 Chick (20 weeks)						7.6	10.5						
1 Turkey (26 weeks)					10	15	50						
FEED BUDGET NOTES PERTAINING TO THE ABOVE TABLE								Total Amount of Feed Needed					
1. If silage is fed, only two-thirds the hay or fodder stated is needed (applies to all livestock).													
2. If good legume hay is fed no protein feed needed (applies to dairy cattle, beef cattle, fattening cattle, breeding sheep, fattening lambs).													
3. In determining Roughage requirements for livestock use column 2 or 3, not requirements in both columns.													
4. If a high protein feed is fed to dairy cattle reduce corn to 11 bushels, small grain to 30 bushels.													
5. Two bushels of oats and 1½ bu. of barley or sorghum grain are about equal to 1 bu. of corn in feeding value.													
6. Three tons of silage are about equal to 1 ton of dry roughage.													
7. In poultry feeding corn or small grain are interchangeable pound for pound.													
								Total Feed Available					
								Shortage or Surplus					

Check Up on Your Livestock and Poultry Production Practices

Are your livestock and poultry doing all they can for you and the war effort? This quiz will tell you.

EXPLANATION: If you are doing the production practice listed below, make a check (X) before each. The number of checks you make will determine your score for each type of livestock.

Dairy Cattle

- ☐ Am I feeding cows grain according to their milk production?
- ☐ Am I feeding enough protein for the kind of roughage used?
- ☐ Do my milk cows get plenty of water?
- ☐ Am I providing good all-season pasture?
- ☐ Do my cows get six week's rest before freshening?
- ☐ Do I weigh and test each cow's milk monthly?
- ☐ Is my herd sire registered and from a tested high producing family?

YOUR SCORE: If you have 6 checks, your dairy score is "excellent"; if 4, it is "good"; if less than 4, you should read Ext. Leaf. 54, **MORE MILK FOR VICTORY**, available at county extension offices.

Hogs

- ☐ Do I provide clean farrowing pens and practice sanitation?
- ☐ Do I provide good pasture for all hogs?
- ☐ Am I self-feeding my growing pigs and fattening stock?
- ☐ Do I balance grain with high protein feeds and minerals?
- ☐ Do I vaccinate for cholera, prevent and control worms?
- ☐ Do my hogs get plenty of water?
- ☐ Do I cull sows and use a registered purebred boar?

YOUR SCORE: If you have 6 checks, your hog score is "excellent"; if 4, it is "good"; if less than 4, you should read Ext. Leaf. 70, **MORE PORK FROM YOUR FEED**, and Ext. Circ. 378, **SWINE PRODUCTION**.

Beef Cattle

- ☐ Do I use a purebred good type registered bull?
- ☐ Do I improve my herd by culling out poor quality cows?
- ☐ Do I practice deferred or rotational grazing?
- ☐ Do my cattle get a mineral mixture and salt regularly?
- ☐ Am I graining my beef calves in winter?
- ☐ Do I market my cattle in best condition?
- ☐ Do my cattle get all the water they want?

YOUR SCORE: If you have 6 checks, your beef cattle score is "excellent"; if 4, it is "good"; if less than 4, you should read Ext. Circ. 393, **BEEF PRODUCTION**, available at county extension offices.

Sheep

- ☐ Do I follow a definite worming program?
- ☐ Am I providing an adequate rotational pasture?
- ☐ Do I use a high quality purebred ram?
- ☐ Do my ewes get adequate grain, protein feed and minerals?
- ☐ Do I use individual lambing pens?
- ☐ Do I creep feed my lambs?
- ☐ Do my sheep have an adequate water supply?

YOUR SCORE: If you have 6 checks, your sheep score is "excellent"; if 4, it is "good"; if less than 4, you should read Ext. Leaf. 53, **LAMB AND WOOD PRODUCTION**, and Ext. Circ. 367, **SHEEP**, available in county extension offices.

Poultry

- ☐ Do I feed enough without waste and feed to save scarce ingredients?
- ☐ Do I use proper management to prevent colds and roup?
- ☐ Do I use a deep, high-absorbent litter and keep it stirred so it need not be changed so frequently?
- ☐ Do I cull frequently and regularly, burying deep or burning all birds that die?
- ☐ Do I provide enough feeders, waterers, nests and roost space?
- ☐ Do I use screen platforms under properly constructed feeders and waterers to prevent waste and improve sanitation?
- ☐ Do I use my laying house to capacity or if it is crowded, provide a deeper litter, more feeders and more waterers?
- ☐ Do I provide comfortable quarters with plenty of fresh air and use a straw loft?
- ☐ Do my hens receive adequate grain, proteins and minerals?

YOUR SCORE: If you have 8 checks, your poultry score is "excellent"; if 6, it is "good"; if less than 6, you should read Ext. Leaf. 69, **HELP YOUR HENS LAY MORE EGGS**; Ext. Circ. 389, **FEEDING AND MANAGEMENT FOR EGG PRODUCTION**; and Ext. Circ. 386, **POULTRY MANAGEMENT**, available at county extension offices.

Feeds

- ☐ Is my hay cut, cured and stacked at the proper time?
- ☐ Do I use a silo to conserve feed?
- ☐ Do I maintain a year or more feed reserve?
- ☐ Do I provide home grown protein by growing alfalfa?