

Following are example rations utilizing cereal straw as the main feed ingredient.

**1,200 lb. Cow Mid-Pregnancy – Early Winter Conditions**

- no wind, -10° C
- six months pregnant
- to start calving March 15
- expected calf birth weight 80 lbs.

All amounts are per cow per day on an “as fed” basis

**Rations**

<b>Feedstuff</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Cereal Straw	17 lb.						
Oats or Barley Grain	9 lb.	9 lb.	7 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				10 lb.	9 lb.	9 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							10 lb.
32% Protein Supplement	1.0 lb.			0.7 lb.			
Canola Pellets or Canola Meal		1.0 lb.			1.0 lb.		
Suncure Alfalfa Pellets or Cubes			2.5 lb.			2.0 lb.	
18:18 Mineral (1:1)	1.0 oz.						
Limestone		2.3 oz.		3.0 oz.	4.0 oz.	2.3 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.
Vitamin A-D-E *		0.13 oz.	0.13 oz.	0.05 oz.	0.13 oz.	0.13 oz.	
Dry Matter Intake	24.1 lb.	24.4 lb.	23.8 lb.	24.9 lb.	24.5 lb.	25.3 lb.	24.1 lb.
Average Daily Gain	0.4 lb.	0.4 lb.	0.2 lb.	0.3 lb.	0.2 lb.	0.3 lb.	0.3 lb.

\* The vitamin A-D-E pre-mix used in these rations contains 10,000,000 IU's of vitamin A per Kg.

- Salt can be fed “free-choice”. Consumption should average about one to 1.5 oz. per head per day.
- If feeding more than eight or nine lb. of total concentrate per cow per day, it is advisable to divide the concentrate and feed equal portions twice per day.
- The minimum amount of mineral recommended is one oz. per head per day unless adequate mineral is being supplied either in fortified pellets or fortified protein supplements.

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**1,200 lb. Cow                      Late-Pregnancy – Winter Conditions**

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**Rations**

<b>Feedstuff</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Cereal Straw	17 lb.						
Oats or Barley Grain	12 lb.	11 lb.	9 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				12 lb.	12 lb.	10 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							13 lb.
32% Protein Supplement	1.2 lb.			1.2 lb.			
Canola Pellets or Canola Meal		2.0 lb.			1.0 lb.		
Suncure Alfalfa Pellets or Cubes			4.0 lb.			4.0 lb.	
18:18 Mineral (1:1)	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.
Limestone		3.0 oz.		2.4 oz.	4.8 oz.	2.0 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.
Vitamin A-D-E *		0.15 oz.	0.15 oz.		0.15 oz.	0.15 oz.	
Dry Matter Intake	27 lb.	27.1 lb.	26.9 lb.	27.2 lb.	27.3 lb.	27.9 lb.	26.8 lb.
Average Daily Gain	0.4 lb.	0.3 lb.	0.2 lb.	0.1 lb.	0.1 lb.	0.2 lb.	0.2 lb.

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**1,200 lb. Cow            Lactating – Early Spring Conditions**

- no wind, -5° C
- first month of lactation
- fourth month of lactation
- calf birth weight 80 lbs.

\*\*\* Please note that lactating cows on cereal straw rations can lose a significant amount of body weight.

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Cereal Straw	15 lb.	15 lb.	13 lb.	15 lb.	15 lb.	12 lb.	13.5 lb.
Oats or Barley Grain	16 lb.	16 lb.	15 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				16 lb.	16 lb.	15 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							20 lb.
32% Protein Supplement	1.6 lb.			1.6 lb.			
Canola Pellets or Canola Meal	1.0 lb.	2.0 lb.			2.0 lb.		
Suncure Alfalfa Pellets or Cubes			5.0 lb.			5.0 lb.	
18:18 Mineral (1:1)	1.0 oz.	1.5 oz.	1.5 oz.	1.0 oz.	1.5 oz.	1.5 oz.	1.0 oz.
Limestone		4.0 oz.		3.0 oz.	6.7 oz.	3.0 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.3 oz.	1.3 oz.	1.0 oz.	1.3 oz.	1.3 oz.	1.0 oz.
Vitamin A-D-E *		0.25 oz.	0.25 oz.		0.25 oz.	0.25 oz.	
Dry Matter Intake	30.0 lb.	29.9 lb.	29.6 lb.	29.4 lb.	30.1 lb.	29.0 lb.	29.9 lb.
Average Daily Gain	0.1 lb.	0.1 lb.	0.1 lb.	-0.8 lb.	-0.6 lb.	-0.7 lb.	0.0 lb.

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Following are example rations utilizing cereal straw as the main feed ingredient.

**1,400 lb. Cow Mid-Pregnancy – Early Winter Conditions**

- no wind, -10° C
- six months pregnant
- to start calving March 15
- expected calf birth weight 95 lbs.

All amounts are per cow per day on an “as fed” basis

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<b>Feedstuff</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Cereal Straw	20 lb.						
Oats or Barley Grain	9 lb.	8 lb.	8 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				10 lb.	11 lb.	9 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							10 lb.
32% Protein Supplement	1.2 lb.			1.0 lb.			
Canola Pellets or Canola Meal		1.5 lb.			1.0 lb.		
Suncure Alfalfa Pellets or Cubes			3.5 lb.			3 lb.	
18:18 Mineral (1:1)	1.0 oz.	1.2 oz.	1.2 oz.	1.0 oz.	1.0 oz.	1.0 oz.	1.0 oz.
Limestone		3.0 oz.		2.0 oz.	5.0 oz.	2.0 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.3 oz.	1.3 oz.	1.0 Oz	1.3 oz.	1.3 oz.	1.0 oz.
Vitamin A-D-E *		0.2 oz.	0.2 oz.		0.2 oz.	0.2 oz.	
Dry Matter Intake	26.9 lb.	26.6 lb.	28.2 lb.	27.9 lb.	28.6 lb.	28.8 lb.	26.8 lb.
Average Daily Gain	0.3 lb.	0.2 lb.	0.4 lb.	0.2 lb.	0.3 lb.	0.3 lb.	0.2 lb.

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Cereal Straw	20 lb.						
Oats or Barley Grain	12 lb.	12 lb.	11 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				13 lb.	13 lb.	13 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							14 lb.
32% Protein Supplement	1.2 lb.			1.2 lb.			
Canola Pellets or Canola Meal		2.0 lb.			1.0 lb.		
Suncure Alfalfa Pellets or Cubes			4.0 lb.			3.5 lb.	
18:18 Mineral (1:1)	1.0 oz.						
Limestone		3.0 oz.			5.0 oz.	4.0 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.4 oz.	1.4 oz.	1.0 oz.	1.4 oz.	1.4 oz.	1.0 oz.
Vitamin A-D-E *		0.2 oz.	0.2 oz.		0.2 oz.	0.2 oz.	
Dry Matter Intake	29.6 lb.	30.7 lb.	31.4 lb.	30.8 lb.	30.8 lb.	31.9 lb.	30.4 lb.
Average Daily Gain	0.2 lb.	0.3 lb.	0.3 lb.	0.1 lb.	0.1 lb.	0.2 lb.	0.1 lb.

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Cereal Straw	19 lb.	19 lb.	17 lb.	18 lb.	18 lb.	16 lb.	20 lb.
Oats or Barley Grain	16 lb.	16 lb.	14 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				16 lb.	16 lb.	16 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							16 lb.
32% Protein Supplement	1.6 lb.			1.6 lb.			
Canola Pellets or Canola Meal	1.0 lb.	2.5 lb.			1.5 lb.		
Suncure Alfalfa Pellets or Cubes			6 lb.			4 lb.	
18:18 Mineral (1:1)	1.0 oz.	2.0 oz.	2.0 oz.	1.0 oz.	2.0 oz.	2.0 oz.	1.0 oz.
Limestone		4.0 oz.		3.0 oz.	6.4 oz.	4.0 oz.	
Salt (Trace Mineralized)	1.0 oz.	1.6 oz.	1.6 oz.	1.0 oz.	1.6 oz.	1.6 oz.	1.0 oz.
Vitamin A-D-E *		0.30 oz.	0.30 oz.	0.10 oz.	0.30 oz.	0.30 oz.	
Dry Matter Intake	33.6 lb.	33.9 lb.	33.2 lb.	32.1 lb.	32.4 lb.	32.6 lb.	32.2 lb.
Average Daily Gain	0.0 lb.	0.0 lb.	-0.4 lb.	-1.4 lb.	-1.3 lb.	-1.0 lb.	-1.3 lb.

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