

Following are example rations utilizing pea, chickpea or lentil 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>
Pea or Lentil Straw	21 lb.	21 lb.	21 lb.
Oats or Barley Grain	5 lb.		
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)		6 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)			6 lb.
32% Protein Supplement			
Canola Pellets or Canola Meal			
Suncure Alfalfa Pellets or Cubes			
18:18 Mineral (1:1)	1.0 oz.	1.0 oz.	1.0 oz.
Limestone			
Salt (Trace Mineralized)	1.0 oz.	1.0 oz.	1.0 oz.
Vitamin A-D-E *	0.13 oz.	0.13 oz.	
Dry Matter Intake	23.3 lb.	24.3 lb.	24.1 lb.
Average Daily Gain	0.1 lb.	0.1 lb.	0.2 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.

Following are example rations utilizing pea, chickpea or lentil straw as the main feed ingredient.

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

- no wind, -20° C
- eight 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>
Pea or Lentil Straw	24 lb.	24 lb.	24 lb.
Oats or Barley Grain	8 lb.		
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)		8 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)			8 lb.
32% Protein Supplement			
Canola Pellets or Canola Meal			
Suncure Alfalfa Pellets or Cubes			
18:18 Mineral (1:1)	1.2 oz.	1.2 oz.	1.0 oz.
Limestone			
Salt (Trace Mineralized)	1.2 oz.	1.2 oz.	1.0 oz.
Vitamin A-D-E *	0.15 oz.	0.15 oz.	
Dry Matter Intake	27.8 lb.	28.7 lb.	28.6 lb.
Average Daily Gain	0.1 lb.	0.1 lb.	0.2 lb.

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Following are example rations utilizing pea, chickpea or lentil straw as the main feed ingredient.

**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.

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>
Pea or Lentil Straw	18 lb.	18 lb.	18 lb.	16 lb.	16 lb.	16 lb.	17 lb.
Oats or Barley Grain	15 lb.	13 lb.	13 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				17 lb.	17 lb.	16 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							17 lb.
32% Protein Supplement	1.0 lb.			1.0 lb.			
Canola Pellets or Canola Meal		2.0 lb.			1.0 lb.		
Suncure Alfalfa Pellets or Cubes			2.5 lb.			2.0 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					3.0 oz.	1.0 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 *	0.13 oz.	0.25 oz.	0.25 oz.	0.13 oz.	0.25 oz.	0.25 oz.	
Dry Matter Intake	30.4 lb.	30.3 lb.	30.1 lb.	30.5 lb.	30.8 lb.	30.7 lb.	30.4 lb.
Average Daily Gain	0.1 lb.	0.1 lb.	0 lb.	0 lb.	0 lb.	0 lb.	0 lb.

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Following are example rations utilizing pea, chickpea or lentil 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

**Rations**

<b>Feedstuff</b>	<b>1</b>	<b>2</b>	<b>3</b>
Pea or Lentil Straw	24 lb.	24 lb.	21 lb.
Oats or Barley Grain	6 lb.		
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)		7 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)			7 lb.
32% Protein Supplement			
Canola Pellets or Canola Meal			
Suncure Alfalfa Pellets or Cubes			
18:18 Mineral (1:1)	1.2 oz.	1.2 oz.	1.0 oz.
Limestone			
Salt (Trace Mineralized)	1.2 oz.	1.2 oz.	1.0 oz.
Vitamin A-D-E *	0.15 oz.	0.15 oz.	
Dry Matter Intake	26.9 lb.	27.8 lb.	27.7 lb.
Average Daily Gain	0.2 lb.	0.2 lb.	0.2 lb.

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**Rations**

<b>Feedstuff</b>	<b>1</b>	<b>2</b>	<b>3</b>
Pea or Lentil Straw	24 lb.	24 lb.	24 lb.
Oats or Barley Grain	10 lb.		
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)		11 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)			11 lb.
32% Protein Supplement			
Canola Pellets or Canola Meal			
Suncure Alfalfa Pellets or Cubes			
18:18 Mineral (1:1)	1.5 oz.	1.5 oz.	1.0 oz.
Limestone			
Salt (Trace Mineralized)	1.4 oz.	1.4 oz.	1.0 oz.
Vitamin A-D-E *	0.20 oz.	0.20 oz.	
Dry Matter Intake	30.5 lb.	31.4 lb.	31.4 lb.
Average Daily Gain	0.2 lb.	0.2 lb.	0.2 lb.

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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>
Pea or Lentil Straw	19 lb.	19 lb.	19 lb.	16 lb.	16 lb.	16 lb.	17 lb.
Oats or Barley Grain	17 lb.	16 lb.	16 lb.				
Pelleted Grain Screenings (not fortified with vitamins or minerals, Crude Protein 11% to 12%)				20 lb.	19 lb.	19 lb.	
Pelleted Grain Screenings (fortified with vitamins and minerals, Crude Protein 14% to 15%)							20 lb.
32% Protein Supplement	1.0 lb.			1.0 lb.			
Canola Pellets or Canola Meal		2.0 lb.			2.0 lb.		
Suncure Alfalfa Pellets or Cubes			2.5 lb.			2.5 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				2.0 oz.	4.0 oz.	2.0 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 *	0.15 oz.	0.30 oz.	0.30 oz.	0.16 oz.	0.30 oz.	0.30 oz.	
Dry Matter Intake	33.1 lb.	33.2 lb.	33.6 lb.	33.4 lb.	33.6 lb.	33.9 lb.	33.1 lb.
Average Daily Gain	0.1 lb.	0.1 lb.	0.1 lb.	0 lb.	0 lb.	0 lb.	0 lb.

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