

Hi-Pro Feeds Calf Feeding Program

Maximizing feed intake is very important to the overall performance, health and profitability of a beef project. Below is a table of Hi-Pro Feeds products with an estimated grain intake. Please see the example on the other side to calculate forage and dry matter intakes.

Starter Phase

Calf Weight (lbs)	Product	Grain Intake	
		Rate/Day	% of Body Weight
500	Hi-Pro 13% Beef Starter #810251 (Plain) #810261 (Plus Monensin Sodium - 52.8 mg/kg)	5 lbs	1.0%
600		6 lbs	1.0%
700		8.75 lbs	1.25%

Grower Phase

Calf Weight (lbs)	Product	Grain Intake	
		Rate/Day	% of Body Weight
800	Hi-Pro 11% Beef Grower/Finisher #826451 (Plain) #826471 (Plus Monensin Sodium - 36 mg/kg)	14 lbs	1.75%
900		18 lbs	2.0%
1,000		20 lbs	2.0%

Finishing Phase

Calf Weight (lbs)	Product	Grain Intake	
		Rate/Day	% of Body Weight
1,100	Hi-Pro 11% Beef Grower/Finisher #826451 (Plain) #826471 (Plus Monensin Sodium - 36 mg/kg)	22lbs	2.0%
1,200		22.8 lbs	1.9%
1,300		24.7 lbs	1.9%

Feeding Tips

- Beef project calves should be fed 2 times/day at consistent times, usually in the morning and afternoon
- When it's time to increase feeding rates, do so in small increments over 3 - 6 days
- When transitioning from Starter to Grower/Finisher rations, adjust feed in increments of 2 - 3 lbs across 3 - 6 days (Example: Day 1 - Feed 8.75 lbs Starter, 2.5 lbs Grower/Finisher and Day 6 - 13 lbs Grower/Finisher)
- Good quality forage is necessary for a balanced ration
- Provide access to freshwater and loose salt
- Refer to the product tags and your feed rep for any questions or inquiries

Know what is in your feed

The following ingredients are included in every bag of Hi-Pro Calf Feeds:

13% Beef Starter

Barley
Beet Pulp
Corn
Millrun
Oats

11% Beef Grower/Finisher

Barley
Beet Pulp
Corn
Millrun

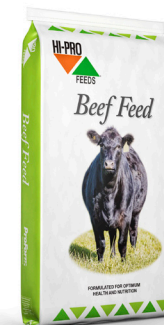
Note on Monensin Sodium

These medicated beef feeds have monensin sodium in them for the prevention of coccidiosis, a disease in cattle that causes bloody feces. Monensin is also fed to finishing cattle for improved feed efficiency, and bloat control.

Do not allow dogs, horses, other equine or guinea fowl access to formulations containing monensin sodium. Ingestion of monensin by these species can be fatal.



Individual results from the use of this product may vary as a result of differences in management environment, genetics, health, sanitation, and other factors. Therefore, Trouw Nutrition Canada Inc. and its brand Hi-Pro Feeds, its affiliates or its distributors do not warrant or guarantee individual results and shall not be held liable for any gaps in the results.



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Steps to Calculate your Calf's Feed Intake

Example Calculations

Calf Body Weight = 600 lbs

Suggested Grain Intake = 1.0 % of Body Weight

Suggested Total Dry Matter Intake (DMI) = 2.5 % of Body Weight

Step 1: Calculating Dry Matter Intake

Dry Matter Intake = Calf Body Weight (lbs) x 2.5 % of Body Weight

$$= 600 \text{ lbs} \times 0.025 = 15 \text{ lbs Dry Matter Intake}$$

Step 2: Calculating Grain Intake

Type of Grain: Hi-Pro Feeds Beef Ration (normal grain = 88-90% dry matter)

Grain Dry Matter Intake = Calf Body Weight (lbs) x 1.0 % of Body Weight

$$= 600 \text{ lbs} \times 0.01 = 6.0 \text{ lbs Grain DMI}$$

Actual Grain Intake = Grain DMI (lbs) ÷ Grain Dry Matter

$$= 6.0 \text{ lbs} \div 0.90 = 6.60 \text{ lbs Actual Grain Intake}$$

Step 3: Calculating Forage Intake

Type of Forage Fed: Barley Silage (average silage = 30-40% dry matter)
(average hay = 84-86% dry matter)

Forage Dry Matter Intake = Total DMI (lbs) – Grain DMI (lbs)

$$= 15.0 \text{ lbs} - 6.0 \text{ lbs} = 9.0 \text{ lbs}$$

Actual Forage Intake = Forage DMI (lbs) ÷ Forage Dry Matter

$$= 9.0 \text{ lbs} \div 0.35 = 25.7 \text{ lbs}$$

Step 4: Calculating Total Feed Intake

Total Feed Intake = Actual Grain Intake (lbs) + Actual Forage Intake (lbs)

$$= 6.6 \text{ lbs} + 25.7 \text{ lbs} = 32.3 \text{ lbs}$$

Your Calculations

Step 1: Calculating Dry Matter Intake (DMI)

$$\text{Dry Matter Intake} = \frac{\text{Calf Weight}}{\text{Calf Weight}} \text{ lbs} \times 2.5\% = \frac{\text{DMI}}{\text{DMI}} \text{ lbs}$$

Step 2: Calculating Grain Intake

Type of Grain: Hi-Pro Feeds Calf Ration

$$\text{Grain Dry Matter Intake} = \frac{\text{Calf Weight}}{\text{Calf Weight}} \text{ lbs} \times 1.0\% = \frac{\text{Grain DMI}}{\text{Grain DMI}} \text{ lbs}$$

$$\text{Actual Grain Intake} = \frac{\text{Grain DMI}}{\text{Grain DMI}} \text{ lbs} \div 90\% = \frac{\text{Actual Grain Intake}}{\text{Actual Grain Intake}} \text{ lbs}$$

Step 3: Calculating Forage Intake

Type of Forage Fed: Barley Silage

$$\text{Forage Dry Matter Intake} = \frac{\text{Total DMI}}{\text{Total DMI}} \text{ lbs} - \frac{\text{Grain DMI}}{\text{Grain DMI}} \text{ lbs} = \frac{\text{Forage DMI}}{\text{Forage DMI}} \text{ lbs}$$

$$\text{Actual Forage Intake} = \frac{\text{Forage DMI}}{\text{Forage DMI}} \text{ lbs} \div 3.5\% = \frac{\text{Actual Forage Intake}}{\text{Actual Forage Intake}} \text{ lbs}$$

Step 4: Calculating Total Feed Intake

$$\text{Total Feed Intake} = \frac{\text{Actual Grain Intake}}{\text{Actual Grain Intake}} \text{ lbs} + \frac{\text{Actual Forage Intake}}{\text{Actual Forage Intake}} \text{ lbs} = \frac{\text{Total Feed Intake}}{\text{Total Feed Intake}} \text{ lbs}$$

Hi-Pro Feeds beef feeds are available at your local Hi-Pro Feeds dealer.



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