

Opti-Milk Essential™

Medicated Milk Replacer

- 22.5% protein, 20% fat
- Essential premium nutrition to support healthy young calf growth and set the foundation for their productive future.
- Bovatec®: For control of coccidiosis, and improved rate of gain and feed efficiency.
- Clarify®: Seasonally added to help decrease fly populations by stopping them in their larval stage.

Calf Care 22:20™

Non-Medicated Milk Replacer

- 22% protein, 20% fat
- Multi-purpose economical replacer for a healthy start and growth for any calf.

Milk Replacer Features:

- Milk Protein: for maximum protein digestibility and utilization by the calf.
- Organic Trace Minerals: for optimum bioavailability.
- MOS: a yeast extract prebiotic to develop and support a healthy gut microbiome and increase nutrient absorption.
- b-Glucan: A natural prebiotic that promotes the innate immune system's ability to fight pathogens.
- MCTs: Medium chain triglycerides allow for maximum energy to be quickly allocated to growth and development.
- Balanced Fatty Acid Profile: Broader source of energy for growth and optimal weight gain. Mimics whole milk profile for more efficient utilization.
- Plasma: a highly digestible source of functional proteins, which enhance immunoglobulin levels for optimal intestinal environment and protection against disease causing pathogens.
- Superior Mixability: Protein encapsulated fats provide unique technology for superior mixing, and improved fat digestibility for increased performance.

Find more milk replacer options at poulingrain.com

Beef Mineral™

All-season, free choice, loose mineral for all classes of cattle.

Ideal for natural, pasture fed beef.

- Balanced levels of minerals and vitamins, crucial to grass based and forage only diets
- Highly bioavailable forms of trace minerals optimize animal health and productivity.
- Formulated for the Northeast to compensate for vitamin and mineral deficiencies in forages.
- Optimum levels of vitamin E and organic selenium to provide strong antioxidant protection and immunity.
- Palatable to encourage consistent consumption.
- Weatherized – no caking or clumping, and reduced nutrient loss from leaching.
- No medication, growth stimulants or hormones.
- Optimized trace mineral package promotes improved immunity and hoof integrity with reduced infections, reduced inflammation, enhanced fertility, increased fiber digestibility, reduced rumen reactivity with less microbial damage
- Contains copper, do not feed to sheep

Calcium	Min	13.20 %
Calcium	Max	15.84 %
Phosphorus	Min	6.50 %
Salt	Min	18.00 %
Salt	Max	21.60 %
Magnesium	Min	6.50 %
Cobalt	Min	40 PPM
Copper	Min	1,250 PPM
Iodine	Min	200 PPM
Manganese	Min	3,500 PPM
Selenium	Min	32 PPM
Zinc	Min	5,000 PPM
Vitamin A	Min	250,000 IU/LB
Vitamin E	Min	350 IU/LB

Beef Raising Guidelines

Day 1: Feed 4 quarts of high quality colostrum (>200 IgG) within 2-6 hours of birth. Feed another 4 quarts colostrum 12 hours later.

Day 2- 60: Feed **Opti-Milk Essential** (Contains Bovatec) OR **Calf Care 22:20 Non-Medicated Milk Replacer**.

Day 2- Week 11: Offer free choice **Opti-Caf** or **AlphaLine Start calf starter** (both contain Bovatec), up to 7 lbs/day, beginning with small amounts. Calf should be eating 3-4 lbs starter/day by weaning at 60 days.

Day 28- Onward: Offer a small handful of hay daily (ideally 5-10% of total dry feed).

Week 12- 15 months: Transition gradually from calf starter to an equal amount of **Opti-Heifer Pellet** (Contains Bovatec) or **Textra 18%** (non medicated), or **ACP 20% pellet** (non medicated), increasing amounts daily, up to 6-8 lbs daily. Can introduce high quality fermented feeds such as haylage or silage. Offer free choice forage.

Finisher: 15 Months - Finishing: Free choice forages (fermented feeds or hay) and 6-12 lbs/ day of one of the following products depending on forage quality: **Hi-Line 16% Pellet, ACP 20% Pellet, Stock NCA Sweet 16%, Textra 14%, 16%, or 18%** (all non medicated).

Breeding/ Lactating: 15 Months- Onward: Free choice forages (fermented feeds or hay) and 6-8 lbs/ day of one of the following products depending on forage quality: **Hi-Line 16% Pellet, Stock NCA Sweet 16%, Textra 14%, 16%, or 18%** (all non medicated).

Quality grass based or forage only diets: Offer free choice **Beef Mineral** (all natural, non medicated) to all classes of beef cattle. Optimum intake is 4 oz/d.

Poor quality or lack of forage: Feed **Forage Extender Pellets** to replace up to half of the forage in the diet, pound for pound.

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POULIN GRAIN 
Leading Animal Nutrition

Opti-Caf™

Highly palatable textured calf starter with rumen development and digestive support

- MOS prebiotic to maintain healthy digestive function
- Steam flaked corn increases starch digestion & energy
- Organic minerals for optimal bioavailability
- Diamond V® XP yeast culture for gut health and feed efficiency
- Bovatec® for control of coccidiosis
- Clarify® seasonally added to decrease fly populations

AlphaLine® Start

A full-potential calf starter designed for a seamless transition from milk, and to develop a robust rumen that supports high intakes for exceptional growth

- High quality protein sources and amino acids balanced to support exceptional growth
- Carbohydrate sources including starch, sugar and soluble fiber to avoid nutritional scours at high intake levels, and to support young ruminant papillae
- Bovatec® for control of coccidiosis
- Clarify® seasonally added to decrease fly populations

Opti-Heifer™

An 18% high energy heifer pellet that supports high growth rates for size and stature from a complete and balanced nutrient profile based on current research.

- Bovatec® helps boost feed efficiency and gain without compromising feed intake

Hi-Line 16%™ + ACP 20%™

Medium energy pellet

- Fortified with vitamins and minerals
- To be fed with good quality forage

Textra™ Feeds

High energy textured feed

- Available in 16%, 18%, or 20% protein
- Fortified with vitamins and minerals
- Quality ingredients to provide consistent and proper nutrition

Stock NCA Sweet 16%™

Textured feed for a variety of stock

- No copper added, suitable for sheep, goats and cattle
- Yeast culture for improved gain and feed efficiency

Forage Extender™

Essential quality fiber for when hay is poor quality or in short supply

- May be used to replace up to half of the forage in the diet on a pound for pound basis
- Features sources of highly digestible fiber - Soy Hulls, and Dehydrated Alfalfa Meal
- No molasses
- 80% digestible fiber vs. a maximum of 50% digestible fiber in hay
- 12% protein vs. hay protein of 5-8% (depending on crop). Provides consistent nutritional content vs. the variability seen in hay.
- Reduces dust and mold exposure
- Yeast Culture is added to aid in the proper digestion of fiber, improving feed efficiency
- Flavored to enhance palatability
- Economical and available: Average 35% cost savings over other hay replacement products
- Available in Forage Extender Mini Bites (standard pellet), or Forage Extender Super Bites (large pellet)
- Suitable for cattle, equines, sheep, goats, rabbits and camelids



		Opti-Caf	AlphaLine Start	Opti-Heifer	Hi-Line 16%	ACP 20%	Stock NCA Sweet 16%	Textra 14%	Textra 16%	Textra 18%
Crude Protein %	Min	22.00	22.0	18.00	16.00	20.00	16.00	14.00	16.00	18.00
Crude Fat %	Min	3.50	3.00	3.50	3.00	3.00	3.50	3.00	3.00	3.00
Crude Fiber %	Min	7.00	8.50	7.00	10.00	8.00	9.00	10.00	9.00	9.00
ADF %	Max	8.50	12.50	11.00	15.00	12.00	12.00	13.00	12.00	11.00
Calcium %	Min	0.90	0.50	0.95	0.90	0.90	0.75	0.95	0.95	0.95
Calcium %	Max	1.15	0.85	1.20	1.20	1.20	1.25	1.25	1.25	1.25
Phosphorus %	Min	0.50	0.45	0.60	0.65	0.55	0.50	0.55	0.55	0.55
Selenium (PPM)	Min	0.40	0.60	0.70	0.40	0.70	0.40	0.50	0.50	0.50
Vit A (IU/LB)	Min	5000	6000	6600	4250	5840	5500	5250	5250	5250
Lasalocid (Bovatec®)	mg/lb	33	33	37.5	0	0	0	0	0	0



Forage quality, breed and other conditions determine ideal products and amounts that should be fed.

Contact Poulin Grain for complimentary forage testing and diet balancing for optimal performance!

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(Bovatec® is a trademark of Zoetis, Clarify® is a trademark of Wellmark International, Diamond V® is a trademark of Cargill, Inc.)