

Calf Nutrition

...More Than Just Keeping Your Calves Alive!

- At 22-24 months a heifer should be large enough to calve easily and unassisted.
- 85% of calf mortality occurs in the first month of life.
- At 6 months of age, a gap of 80 to 200 pounds may be seen in calf growth.
- 44% of a calf's growth happens before puberty.
- Poor growth during the first six months of life delays puberty.
- Small body size at a heifer's first calving limits her milk production.
- In a 2008 University of Wisconsin study pre-weaned calves cost an average of \$5.31 per day in feed, labor and other costs.



CHOOSE BROWN'S

Family Owned and Operated Feed Manufacturing Since 1871

- ◆ Sales Throughout Southeastern PA and New Jersey
- ◆ Two Full-Time Nutritionists on Staff
- ◆ All Nutritional Consulting Free
- ◆ Fast, Reliable Forage Testing
- ◆ Customized Formulas to Meet Your Special Needs
- ◆ Economical Milk Replacers Formulated to High Quality Specifications
- ◆ Experienced Area Directors Visit Your Farm Routinely
- ◆ Helpful Office Staff
- ◆ Next Day Bulk Delivery Service
- ◆ A Wide Variety of Bagged and Bulk Feeds
- ◆ Crop and Pasture Seeds to Meet All Your Needs
- ◆ A Major Buyer of Wheat, Corn, Oats, Barley and Soybeans
- ◆ Hundreds of Satisfied Customers, Many of Whom Have Used Brown's Feeds for Two or More Generations!



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Brown's Calf Program



**Choose Brown's Calf Feeds to
Ensure Complete Nutrition for
Your Future Herd**

Calf Starter/Grower Feeds

20% Calf Cox-Guard

18% Wean & Grow

16% Grow-N-Glow

Calf Milk Replacers

Brown's 20/20 Quick Start

Brown's 20/18 Calf Nurser

Brown's 22/18 Milk-N-More

Akey 26/17 Pinnacle

Calves Are the Future of Your Herd

How you feed calves today affects your payback tomorrow. That is why our Calf Cox-Guard and Grow-N-Glow feeds contain:

- Bovatec to prevent Coccidiosis
 - Specific amino acids calves need to grow well
 - Short chain fatty acids* to increase intestinal villi, improve immune response and for anti-microbial effects
 - A highly digestible, unique carbohydrate* that alters osmotic pressure in the gut and stimulates Lactobacillus growth
 - Apex*—A natural anti-oxidant, appetite stimulant and anti-microbial
 - Sel-Plex selenium to enhance immune response.
 - Diamond V Yeast culture to speed rumen growth
- * ingredient in Akey, Inc.'s NeoTec4™ Calf Pack

Your calves will wean earlier with better daily gain, improved feed efficiency, and reduced problems with scours and pneumonia.



Brown's 20% Cox-Guard Calf Starter

Brown's Cow-Guard Calf Starter stops coccidiosis before it starts. Coccidiosis is a major cause of calf mortality and greatly contributes to many calf diseases such as pneumonia and dysentery. Brown's Calf Cox-Guard contains Bovatec (100 g/Ton), one of the most effective coccidiostats on the market.

Brown's Calf Cox-Guard is a palatable, coarse-textured mix of steam-flaked corn, oats and a specially formulated pellet that contains sources of highly digestible energy and amino acids. Diamond V Yeast Culture and Apex stimulate appetite, reduce scours, and speed rumen development. Calf Cox-Guard is formulated to increase a calf's height at the withers and hooks - not just increased body weight.

Brown's 16% Grow-N-Glow

Calves "glow" on Brown's Grow-N-Glow. This 16% coarse-textured blend of steam rolled corn, oats, barley, and pellets provides calves with essential proteins, vitamins, and minerals after weaning for optimal growth and development. Brown's recognizes that young calves often may not get choice forages on the farm. To compensate and avoid shortchanging calves, Brown's offers Grow-N-Glow to continue the excellent growth observed on Calf Cox-Guard.

Brown's Grow-N-Glow includes Bovatec (67g/ton) to fight coccidiosis and increase average daily gain when rumen development begins. The Diamond V Yeast, Apex, and Akey NeoTec4™ speed growth and rumen development in addition to reducing scours.

Brown's 18% Wean & Grow

Brown's Wean & Grow is a very palatable coarse-textured feed containing Corid (amprolium) for coccidiosis control. Containing 18% protein and high lysine levels, it allows for a single feed to be used for both starting and growing calves. Growth and immune function are improved with Diamond V Yeast and Sel-Plex selenium along with high levels of Vitamins A, D, and E.

Get your Calves off to a Great Start with Brown's Milk Replacers!

Brown's 20/20 Quick Start

This high protein and high energy all-milk milk replacer can often save \$10-\$30 per calf compared to feeding marketable milk! It mixes easily. Calves love its taste. Milk-based protein sources eliminate poor digestibility and allergic reaction concerns. In addition, 20/20 Quick Start contains Bovatec to fight coccidiosis and *Lactobacillus acidophilus* to strengthen the immune system and prevent intestinal problems caused by harmful bacteria.

Brown's 22/18 Milk & More

This all-milk high-protein milk replacer gives calves an extra edge in stressful conditions, especially in herds with exposure to diarrhea-causing organisms. Formulated with NeoTec4™ and MOS, Milk & More wards off potentially fatal bacterial organisms. Not only a powerful agent against bacteria, Milk & More simplifies feeding because it stays in solution after being mixed.

Akey 26/17 Pinnacle

Pinnacle represents a new generation of high protein milk replacers. This non-medicated milk replacer has higher protein levels to stimulate rapid growth, and lower fat levels to encourage more Calf Cox-Guard intake. Calves consume 1½ lbs. Pinnacle/day and can be weaned as early as five to six weeks of age.

Brown's 20/18 Calf Nurser

Calf Nurser is formulated with a balance of milk and plant amino acid sources. It mixes easily and is consumed quickly. It contains 90% milk protein and 10% soy protein from soy protein concentrate and Bovatec for cocci control.