



# DAIRY CALF PROGRAM

## *Products and answers that work<sup>®</sup>*

The care and growth of dairy calves is an important component of a successful dairy. How the calf is managed can have an effect on lifetime performance. Research & innovative products along with a highly skilled resource network makes Hubbard a leading provider of calf nutrition products. Hubbard can help you meet the goals of your calf program.



# MILK REPLACERS

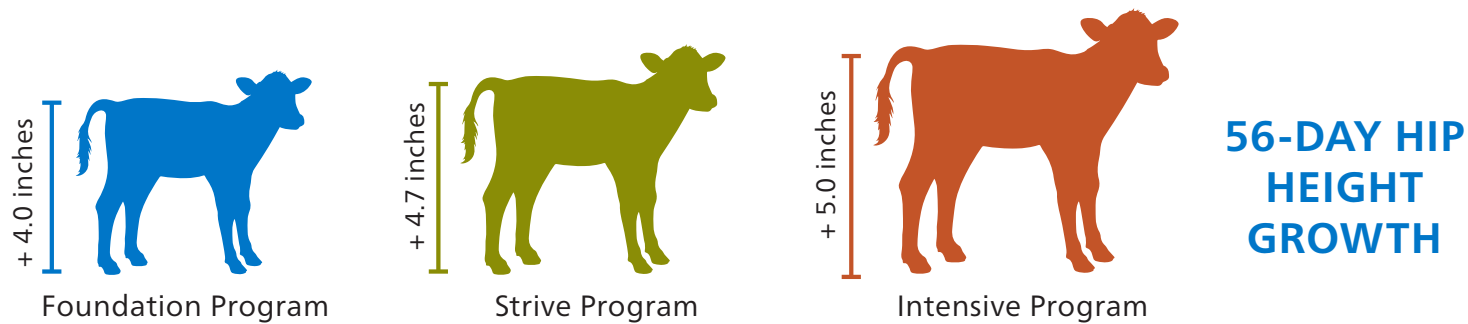
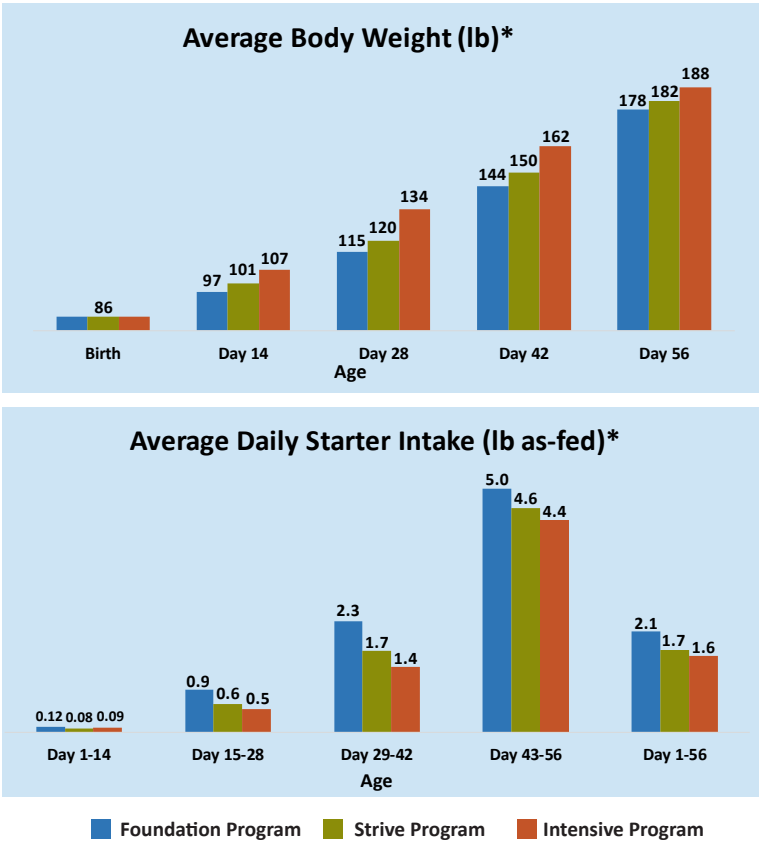
Hubbard milk replacers are customized to meet your specific needs and performance goals.

### BENEFITS OF HUBBARD MILK REPLACERS:

- Instantized for ease of mixing and stable suspension
- Customizable with additions such as Bio-Mos®, essential oils, ClariFly®, and others
- Vitamin and mineral fortified
- Research proven for growth and health
- High-quality all-milk proteins used in formulation, along with high-quality plasma protein in Vitalizer formulas

### MANAGEMENT STRATEGIES:

- Mix milk replacer at 10 oz in 2 quarts of total solution regardless of feeding rate
- Offer free choice water by day 2
- Offer free choice calf starter by day 4
- Wean when calves are consuming at least 3 lbs per calf per day of calf starter for 3 days in a row
- House calves in a well ventilated, draft-free area
- Clean and sanitize feeding and mixing equipment after each feeding
- Clean and sanitize all facilities and equipment to maximize calf health from one group to the next



	FOUNDATION PROGRAM		STRIVE PROGRAM		INTENSIVE PROGRAM
Milk Replacer	Calf Beginner	Vitalizer	Beginner Plus	Vitalizer Plus	Mother's Pride
Protein – Fat, %	20-20	20-20	24-20	24-20	28-18
Instantized	Yes	No	Yes	No	Yes
Bioplex® Trace Minerals	Yes	Yes	Yes	Yes	Yes
Sel-Plex®	Yes	Yes	Yes	Yes	Yes
Feeding rate (2x/day)	10 ounces		12.5 to 15 ounces		Up to 18 ounces
Total milk replacer to weaning (lb)	48		60 to 80		100

Drug Options: Non-medicated, decoquinat, lasalocid, NT, diflubenzuron

# CALF STARTERS

Starter feeds are a key to getting calves weaned and off to a good start. Hubbard has the starter feed to help reach your goals. Medicated options are available for coccidiosis control.



### GOOD—ONE-STEP 18%

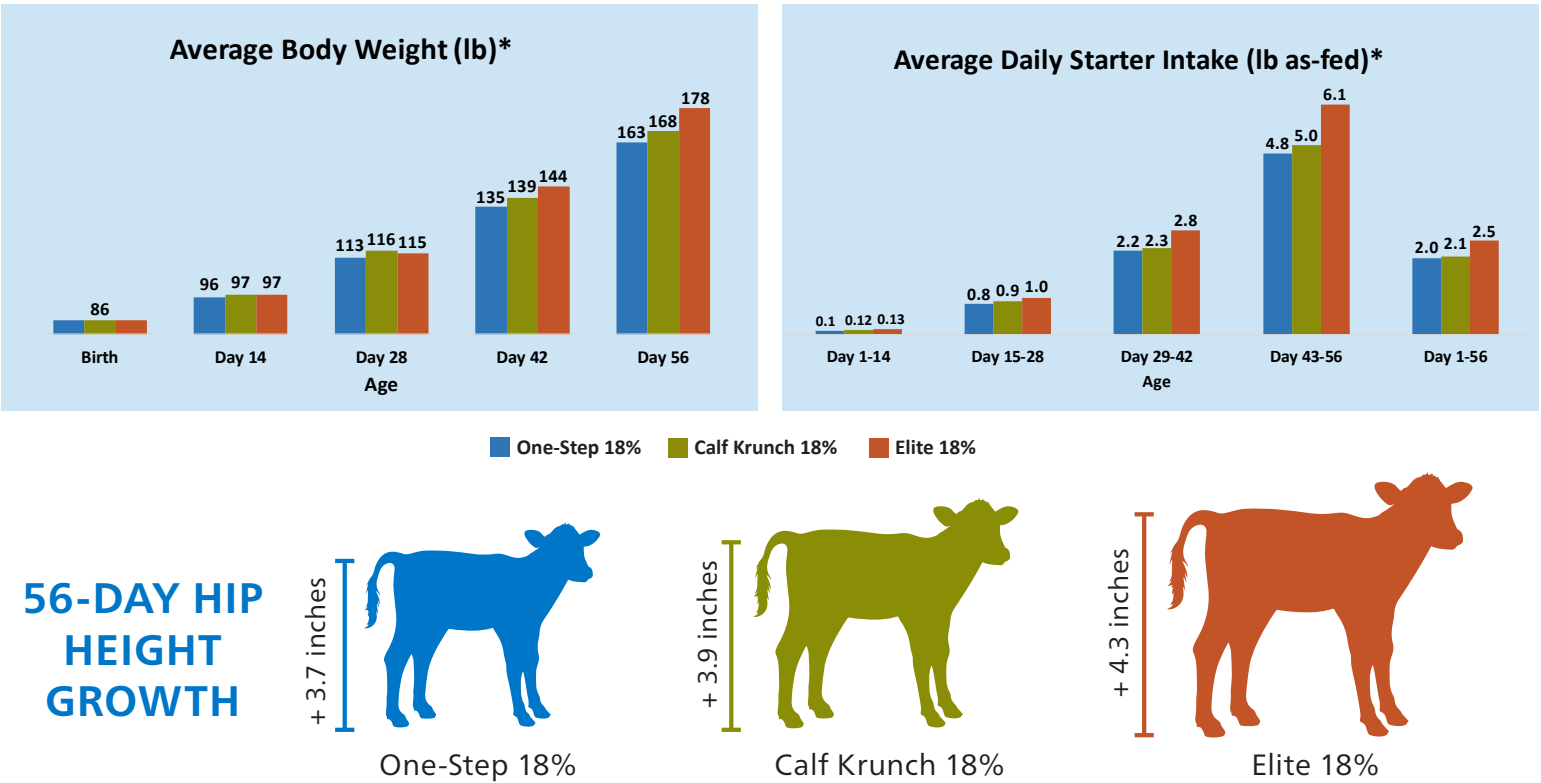
Economical calf starter offering a highly palatable complete pellet heavily fortified for optimum growth and health. Complete pelleted rations are designed for reduced feed waste and labor saving convenience.

### BETTER—CALF KRUNCH 18%

Palatable texturized calf starter composed of a pellet, processed grains, and liquid molasses. Coarse, textured feed encourages early consumption resulting in increased growth and improved rumen development.

### BEST—ELITE 18%

Highly palatable texturized calf starter composed of a pellet, processed grains, and liquid molasses. A specific blend of fiber sources and coarse texture optimizes early starter intake, calf performance, and early rumen development.



## Products and answers that WORK®

Since 2004, Hubbard has partnered with the University of Minnesota to focus on applied nutrition and management of dairy heifer calves at the Southern Research and Outreach Center (SROC) Calf and Heifer Research Facility located in Waseca, MN. Our objectives include developing new products and feeding programs to improve nutrition, management, and health of calves through 6 months of age.



### About Hubbard Calf Research:

- SROC raises more than 1,000 dairy heifer calves per year from 2 commercial dairies
- Calves arrive at the research facility within days of birth and stay through 6 months of age
- Buildings and facilities include:
  - Two 30x200 ft calf nursery barns holding 160 total individual pens for calves 3 to 60 days of age
  - Two 65x150 ft grower barns holding 40 total group pens for calves 2 to 6 months of age
  - Climate controlled automatic feeder barn with an Urban calf feeder
- Small feed mixing facility on site

### Hubbard Dairy Calf Program Budget Worksheet

	A	B	C	D	E	F
	Cost/bag (\$)	Bag weight (lb)	Feeding rate (lb/day)	Number of days on milk/starter	Total milk/starter (lbs)	Total Cost (\$)
Milk Replacer:						
Calf Starter:						
Other:						
Equations to determine total cost: $((A / B) * C) * D = F$ OR $C * D = E$ AND $(A / B) * E = F$						

### Notes:

Total cost to raise a calf:

*\*Average performance determined while feeding 2 quarts of 20-20 milk replacer (10 oz) twice daily through 35 days, and once daily through day 36-42 with Elite 18 Texturized Calf Starter. Results will vary due to environment, management, and overall calf health.*