**Milk Replacer and Calf Starter Additives, Technologies and Benefits**

**BOVATEC® AND RUMENSIN®**
- Ionophores used for control of coccidiosis in calves
- Research has shown that these ionophores are very effective coccidiocides (they kill the organism almost immediately)

**CLARIFLY®**
- Clarifly Larvicide functions as a feed-through larvicide, passing through the digestive system when mixed into calf milk replacers and starters
- The active ingredient in Clarifly Larvicide inhibits the development of the exoskeleton in the fly larvae, preventing mature flies

**ARCHITECT® FORMULATION SYSTEM**
- Unique combination of protein, fat and carbohydrates
- Research shows calves fed Southern States Ledger™ MP (with Architect Formulation System) at 1.5 lb./hd./day had a 15 lb. weight advantage with increased starter intake and fewer scour days

**Beta Glucan**
- Beta glucans are chains of glucose polysaccharides, linked by a specific type of chemical bond
- Research shows calves fed Land O’Lakes Cow’s Match with Beta Glucan had an 11 lb. weight advantage with increased starter intake and fewer scour days

**POS (FruCTO-oliGOSacchaRides)**
- Non-digestible polysaccharide
- Selectively promotes the growth and activity of beneficial bacteria in the intestines

**DIGESTAROM®**
- Mixture of essential oils, spices, herbs, extracts & flavors
- Naturally improves feed intake & digestion, 300 studies over 20 years show a positive effect on gut microorganisms
- May reduce gut inflammation during scour

**L-CARNITINE**
- An amino acid synthesized in the body from lysine and methionine
- Helps convert fatty acids into energy
- Eight research trials involving LED gelatin have shown:
  - Average gain improvement = 7.7%
  - Colder months trials average benefit = 9.7%

**GLYMAXENE®**
- Protein modified soy flour
- Maxi-Calf performed comparably to 20/20 all-milk protein products
- Free Fuel System
- Equal average daily gain
- Equal feed conversion
- Decreased scour days with Glymaxene

**FUNCTIONAL PROTEINS**
- Plasma and serum protein sources provide functional immune proteins
- Research supports functional proteins may decrease scour days

**SOUTHERN STATES FEED NUTRITION EXPERTS**
- Southern States Feed Sales and Technical Representatives (FSTRs) are available to work with you to meet your operation’s production goals.
- All FSTRs undergo training to maintain their ARPAS (American Registry of Professional Animal Scientists) certification. Our FSTRs hail from production agriculture backgrounds and are eager to help Southern States customers optimize profits of their operations.
**Calf Maker® All-Milk Protein Milk Replacer**

- 21% Protein/21% Fat — Provides balanced nutrition for the mammalian milk replacer system
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- AMINO ACIDS — Balanced amino acid composition to support growth and development
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- L-CARNITINE — Efficient fat utilization by the calf
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth

**Maxi-Calf® Advanced Protein Milk Replacer**

- 21% Protein/21% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- AMINO ACIDS — Balanced amino acid composition to support growth and development
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves

**Calf Developer® Plus (DE)G Medicated**

- 18% Protein — The grilling value
- TEXTURED Calf Starter — Balanced for all essential nutrients to support rapid calf growth and development
- DECODER — Prevents mold occurrence
- AVAILABLE VARIATIONS — Classic

**Ledger® All-Milk Protein Milk Replacer**

- 21% Protein/21% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth

**Chronicle® Advanced Protein Milk Replacer**

- 21% Protein/21% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- AMINO ACIDS — Balanced amino acid composition to support growth and development
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth

**Cow’s Match Coldfront®**

- 27% Protein/27% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- AMINO ACIDS — Balanced amino acid composition to support growth and development
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves

**Cow’s Match Warmfront®**

- 27% Protein/27% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves

**18% Fast Start TCR**

- RESEARCH BASED — Backed by 25 years of Cooperative Research Farm (CRF) calf research
- COMPLETE NUTRITION — For nutrition from birth to 300 lbs. (intrauterine included)
- FELLERED RATION — Lax melts, easy to feed
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- AVAILABLE VARIATIONS — With Bovatec, Bovatec w/ClariFly

**Intensity® 22% Calf Starter**

- HIGHLY PALATABLE — Available in textured or pelletized forms with higher protein levels
- COMPLETE NUTRITION — For nutrition from birth to 300 lbs. (intrauterine included)
- FELLERED RATION — Lax melts, easy to feed
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- AVAILABLE VARIATIONS — With Bovatec, Bovatec w/AUREO, Bovatec w/AUREO & ClariFly

**CoW’s Match WaRmWaRoSt™**

- 22% Protein/20% Fat — Provides support for the maintenance and growth of calves
- VITAMINS AND ORGANIC TRACE MINERALS — Supports digestive, neural and immune system functions
- DIGESTIBILITY — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves
- DIGESTIBOND® — A mixture of essential oils, fats, sugars, vitamins and flavors that naturally promote feed intake, digestion and growth
- BETA GLUCAN — Provides support for the maintenance and growth of calves