

MILK REPLACER

*Premium quality milk replacer formulations providing high digestibility and performance
Used as a complete source of nutrition for pre-weaned dairy and beef calves*

RESEARCH-SUPPORTED FEATURES AND BENEFITS

Proprietary instantizing manufacturing process

- Mix at low temperature less than 110°F
- Consistent mixing means consistent solids fed
- Availability of nutrients

Highest quality milk proteins

- Maximum digestibility and performance

Tools and expertise for optimal liquid feeding strategies

Optimal liquid strategies have demonstrated positive productivity outcomes

- Increased metabolizable energy, average daily gain and skeletal size, healthier calves, increased mammary gland development, reduced age at first calving, and increased milk production¹⁻⁷

Spray-dried animal plasma in some formulations

- Provides immune support for reduced antibiotic use, reduced scours, improved digestive system development, increased starter intake, and increased growth and development¹⁻⁷

National Research Council (NRC) recommended levels of bio-available vitamins and minerals

- Provides immune support and supports growth and development and increased milk production.¹⁻⁷

Formulations available seasonally with ClariFly®

- Feed through larvicide fly control
- Control of house flies, face flies, stable flies, and horn flies as a feed-through larvicide

Formulations available with Bovatec®

- For the control of Coccidiosis

All formulations contain Tri-Mic WD, a direct-fed microbial for calves.

- Establishment of beneficial digestive microflora for competitive exclusion of pathogens

Formulations available with yeast extract, MOS

- Reduces scours, increases starter intake, and reduces salmonella, E.coli



AVAILABLE PACKAGE SIZE

50 lb. bag
Pallet = 40 bags

STORAGE

Store in a cool, dry area for maximum stability
Avoid leaving open for extended periods of time

STOCKED MILK REPLACER FORMULATIONS

DESCRIPTION	PROTEIN SOURCE	% PROTEIN	% FAT	GUARANTEED ANALYSIS			Vit C	DFM	ADDITIVE	CHELATED		MEDICATION
				IU/lb Vit. A	IU/lb Vit D ₃	IU/lb Vit E				MINERAL	SELENIUM	
PERFORMANCE	All-Milk	20	20	30,000	10,000	150	YES	Tri-Mic WD	Mos	YES	YES	No
PERFORMANCE*	All-Milk	20	20	30,000	10,000	150	YES	Tri-Mic WD	Mos	YES	YES	Bovatec® - 90 grams/ton
HI-PERFORMANCE	All-Milk	22	20	30,000	10,000	200	YES	Tri-Mic WD	Mos	YES	YES	No
HI-PERFORMANCE*	All-Milk	22	20	30,000	10,000	200	YES	Tri-Mic WD	Mos	YES	YES	Bovatec® - 90 grams/ton
HI-PERFORMANCE PLUS	APL	24	20	30,000	10,000	150	YES	Tri-Mic WD	Mos	YES	YES	No
HI-PERFORMANCE PLUS *	APL	26	20	30,000	5,000	200	YES	Tri-Mic WD	Mos	YES	YES	Bovatec® - 43 grams/ton
JERSEY *	All-Milk	28	26	20,000	2,500	100	YES	Tri-Mic WD	Mos	YES	YES	Bovatec® - 72 grams/ton
FIRST 21® COMPLETE	APL	24	20	35,000	10,000	150	YES	Tri-Mic WD		YES	YES	No

*Formulation with ClariFly® available seasonally. Custom formulations available – 2 ton minimum

¹Quigley et al. 2006. "Effects of additional milk replacer feeding on calf health, growth, and selected blood metabolites in calves." J. Dairy Sci. 89:207-216.

²Bartlett et al. 2006. "Growth and body composition of dairy calves fed milk replacer containing different amounts of protein at two feeding rates." J. Dairy Sci. 81:1641-1655

³Ballou et al. 2015. "Genetic, epigenetic and management factors contribute to the risk of morbidity and mortality of Holstein feeder calves." American Dairy Science Association Annual Meeting 2015, #518.

⁴Geiger et al. 2016. "Growth, intake, and health of Holstein heifer calves fed an enhanced preweaning diet with or without postweaning exogenous estrogen." J. Dairy Sci. 99(5):3995-4004.

⁵Geiger et al. 2016. "Feeding a higher plane of nutrition and providing exogenous estrogen increases mammary gland development in Holstein heifer calves." J. Dairy Sci. In Press.

⁶Soberon et al. 2009. "Early life management and long-term productivity of dairy calves." J. Dairy Sci. 92(Suppl.1):238. (Abstr.)

⁷Soberon et al. 2012. "Preweaning milk replacer intake and effects on long-term productivity of dairy calves." J. Dairy Sci. 95:783-793.

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