

# ACCEL WHOLE MILK PROTEIN PIVOT

**A supplement to be added to pasteurized whole milk and fed to pre-weaned calves  
Not intended as the sole source of nutrition**

## RESEARCH-SUPPORTED FEATURES AND BENEFITS

Formulation designed with expertise to be used with the Select Sires Pasteurized Waste Milk Feeding Tool for optimal calf feeding strategies

Optimal liquid feeding strategies have demonstrated positive productivity outcomes such as:<sup>1-7</sup>

- Promotes metabolizable energy
- Enhanced average daily gain and skeletal size
- Increased mammary gland development
- Reduced age at first calving
- Increased milk production
- Healthier calves

**Contains 28% protein: 8% fat – Can be utilized to shift protein:fat ratio of pasteurized waste milk (PWM) in favor of protein**

- Increased average daily gain and skeletal size
- Optimal starter intake
- Increased mammary gland development

**Optimize pasteurized waste milk (PWM) % solids**

- Helps to optimize starter intake

**Extend pasteurized waste milk (PWM) supply to meet calf feeding objectives**

- Allows calves to be fed consistent solids level
- Reduces the need to feed salable milk

## WHEN TO USE

Protein Pivot can be utilized to pivot the protein:fat ratio of pasteurized waste milk (PWM) allowing the opportunity to strategically achieve optimal pre-weaning calf performance goals. At the same time, Protein Pivot can be used to extend the volume of PWM to meet volume needs.

## SELECT SIRES CALF FEEDING TOOL - EXAMPLE

Gallons of Whole Milk Available:		30		Target Solids:		13%		Refractometer range:		0.1		Gallons Milk Required Range:		2		Estimated As Fed Protein and Fat %		Whole Milk																			
Gallons Milk Required		10		10.10		10.20		10.30		10.40		10.50		10.60		10.70		10.80		10.90		11.00		11.10		11.20		Average for Ranges of Refractometer		Protein %		25.8%		3.25			
50		25		25		24		24		24		24		23		23		23		23		22		22		22		26.7%		20.4%		AG Protein Pivot		Protein %		28%	
		18		18		18		18		18		18		18		18		18		18		18		18													
52		27		27		27		26		26		26		26		25		25		25		25		24		24		26.8%		19.9%							
		20		20		20		20		20		20		20		20		20		20		20		20													
54		29		29		29		29		28		28		28		28		27		27		27		27		26		26.8%		19.5%							
		22		22		22		22		22		22		22		22		22		22		22		22													
56		32		31		31		31		31		30		30		30		30		29		29		29		29		26.9%		19.1%							
		23		23		23		23		23		23		23		24		24		24		24		24													
58		34		34		33		33		33		33		32		32		32		32		32		31		31		26.9%		18.7%							
		25		25		25		25		25		25		25		25		25		25		25		25													



## AVAILABLE PACKAGE SIZE

50 lb. bag  
Pallet = 40 bags (1 ton)

## STORAGE

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

## DIRECTIONS FOR USE

Consult your local representative to determine a Protein Pivot application rate using the Select Sires Calf Feeding Tool illustrated below which was developed to calculate a liquid calf feeding strategy specifically for your calves.

<sup>1</sup>Quigley 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. <sup>2</sup>Bartlett 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. <sup>3</sup>Ballou 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. <sup>4</sup>Geiger 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. <sup>5</sup>Geiger 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. <sup>6</sup>Soberon et al. 2009. "Early life management and long-term productivity of dairy calves." J. Dairy Sci. 92(Suppl.1):238. (Abstr.) <sup>7</sup>Soberon et al. 2012. "Preweaning milk replacer intake and effects on long-term productivity of dairy calves." J. Dairy Sci. 95:783-793. <sup>8</sup>Build A Better Heifer and Your Success Our Passion. are registered trademarks of Select Sires Inc. Buyer assumes all responsibility for use, storage and handling of this product. All claims, representations, and warranties, expressed or implied, are made only by the company responsible for manufacturing and not by Select Sires Inc., its member cooperatives, its agents or employees. Protein Pivot is manufactured for Select Sires Inc., 11740 US 42N, Plain City, OH 43064.



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