

# 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	Refractometer reading:	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 %
50	Pounds of powder	25	25	24	24	24	24	23	23	23	23	22	22	22	26.7%	20.4%	3.25
	Gallons of water	18	18	18	18	18	18	18	18	18	18	18	18	18			
52	Pounds of powder	27	27	27	26	26	26	26	25	25	25	25	24	24	26.8%	19.9%	3.7
	Gallons of water	20	20	20	20	20	20	20	20	20	20	20	20	20			
54	Pounds of powder	29	29	29	29	28	28	28	28	27	27	27	27	26	26.8%	19.5%	AG Protein Pivot
	Gallons of water	22	22	22	22	22	22	22	22	22	22	22	22	22			
56	Pounds of powder	32	31	31	31	31	30	30	30	30	29	29	29	29	26.9%	19.1%	Protein %
	Gallons of water	23	23	23	23	23	23	23	24	24	24	24	24	24			
58	Pounds of powder	34	34	33	33	33	33	32	32	32	32	31	31	31	26.9%	18.7%	Fat %
	Gallons of water	25	25	25	25	25	25	25	25	25	25	25	25	25			

<sup>1</sup> Ogilby et al. 2006. "Effect of additional milk replacer feeding on calf health, growth, and selected blood metabolites in calves." J. Dairy Sci. 89:207-215.  
<sup>2</sup> Bert et al. 2005. "Growth and body composition of dairy calves fed milk replacer containing different amounts of protein at two feeding rates." J. Dairy Sci. 81:1541-1555.  
<sup>3</sup> Bellon 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> Gauger et al. 2016. "Growth, health, and health of Holstein heifer calves fed an enhanced preweaning diet with or without preweaning exogenous estrogen." J. Dairy Sci. 89(5):3365-3374.  
<sup>5</sup> Gauger 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> Soberton et al. 2009. "Early life management and long-term productivity of dairy calves." J. Dairy Sci. 92:100-108.  
<sup>7</sup> Soberton et al. 2012. "Preweaning milk replacer: intake and effects on long-term productivity." J. Dairy Sci. 95:100-108.  
 \* Build A Better Heifer is a trademark of Select Sires Inc.



## 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

## MANUFACTURED FOR

Select Sires Inc.  
Plain City, OH 43064

## 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.



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