



Synthesizing growth **Research**

Report

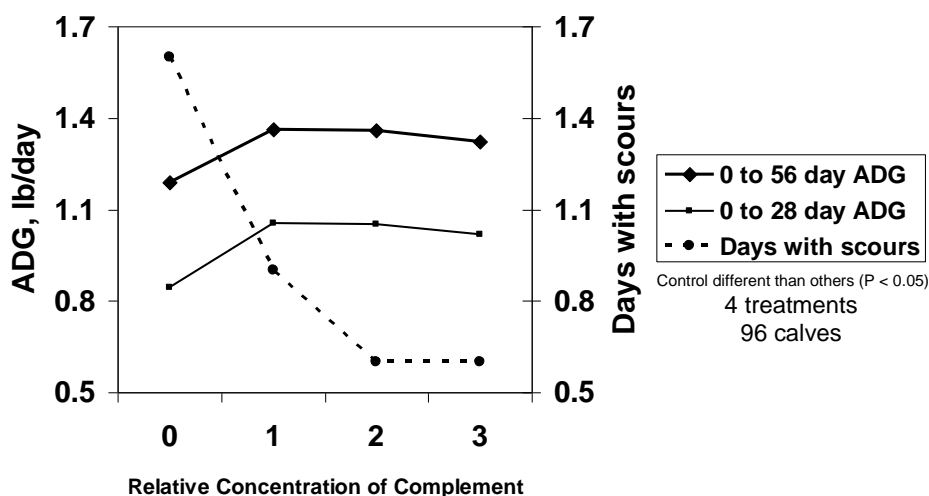
Complement is a concentrated milk protein containing many of the components in colostrum. Complement is used in milk replacers.

Colostrum does more than provide immunoglobulins at birth. Consumption of colostrum extended beyond initial, normal consumption at birth has been shown to¹:

- Enhance intestinal development and function
- Optimize normal physiological functions
- Improve health
- Improve ADG

¹J. Nutr. 127:1284-1289 (1997); J. Nutr. 128:624-632 (1998); J. Nutr. 131:1256-1263 (2001); J. Nutr. 131:3259-3265 (2001).

The concentration of Complement in milk replacers has been defined



Complement functions independently of NeoTec4 fatty acids, complimenting its benefits

Item	-NeoTec4	+NeoTec4	-NeoTec4	+NeoTec4	P value NeoTec4	P value Complement
	-Complement	-Complement	+Complement	+Complement		
Body weight gain, lb/d						
0 to 28 d	0.636	0.743	0.715	0.758	0.04	0.05
0 to 56 d	0.823	0.882	0.853	0.973	0.04	0.06
Abnormal fecal days, n						
0 to 56 d	6.8	4.9	5.8	4.1	0.04	0.09
Hip width change, in						
0 to 28 d	0.8	0.9	0.9	0.9	0.05	0.49
0 to 56 d	1.1	1.3	1.2	1.3	0.15	0.79

(4 treatments, 96 calves)

Complement is a product of Provimi North America.
Provimi North America, P.O. Box 5002 Lewisburg, Ohio 45338-5002

For technical support please call: 1-800-392-8324 or 1-800-553-1712.



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Summary of 4 Research Trials with Complement

Calves were fed 1.5 lb of milk replacer powder that was 26% CP, 17% fat. Calves were fed a control milk replacer without Complement and a milk replacer with Complement. Calves were fed free-choice textured starter (18% CP) and water throughout the trial. Calves were weaned at 28 days. Trials lasted 56 days and included 288 total calves.

Change from control to Complement inclusion in milk replacer during 4-week pre-weaning period.

Trial	Scours Reduction	ADG Improvement	Frame Growth Improvement	Feed Efficiency Improvement
1	58%**	23%**	5%	20%**
2	0%	15%**	8%	13%**
3	44%*	11%**	25%**	-1%
4	15%*	7%**	0%	3%
Average	29%	14%	10%	9%

** $P < 0.05$, * $P < 0.10$

Change from control to Complement inclusion in milk replacer during entire 8-week trials.

Trial	Scours Reduction	ADG Improvement	Frame Growth Improvement	Feed Efficiency Improvement
1	55%**	13%**	17%**	8%**
2	0%	7%	3%	6%
3	47%*	9%**	26%**	2%
4	15%*	7%*	8%	-1%
Average	29%	9%	13%	4%

** $P < 0.05$, * $P < 0.10$