



Calf Grower Research Fatty acids and Apex

Calf Premix with A-Boost and Heifer Premix with A-Boost contain a unique blend of fatty acids proven through research¹ and Apex², a research proven blend of botanicals. Controlled research with each of these components and their combination is shown below in calves from 2 to 4 months of age.

Previous to this trial beginning the calves had been fed 1 lb per head daily of milk replacer powder (20% all milk protein, 20% fat) and offered an 18% protein starter. Calves were weaned at 42 days and maintained in individual pens till day 56. Afterwards calves were moved into group pens of 6 calves per pen and fed an 18% protein starter blended with 5% chopped grass hay. The 4 treatment groups were 1) control, 2) added fatty acids, 3) added Apex, and 4) added fatty acids and Apex. Below is the calf performance. The calves fed the combination in treatment 4 had the best performance and economics of gain.

56-day performance of 2 month old calves initially 150 lb				
Diet	Trt 1) Control	Trt 2) with Fatty acids	Trt 3) with Apex	Trt 4) with Fatty acids & Apex ³
Gain, lb/day	2.13	2.26	2.23	2.33
% change vs. control diet	--	6.0%	4.8%	8.9% ←
Value of daily gain (\$1.50/lb gain)	3.19	3.38	3.34	3.49
DM Intake, lb/day	6.10	6.04	6.33	5.61
Gain/Feed	.351	.373	.353	.417
% change vs. control diet	--	6.3%	.7%	18.6 ←
Feed cost per lb (as-fed)	\$.150	\$.154	\$.154	\$.158
Feed cost per day	\$1.05	\$1.07	\$1.12	\$1.02
Feed cost per lb gain	\$.494	\$.474	\$.502	\$.438
% change vs. control diet	--	- 4.1%	1.4%	- 11.0%
Value of gain minus feed cost	\$2.14	\$2.31	\$2.22	\$2.47

¹Prof. Anim. Sci. 23:665-671 (2007)

²Prof. Anim. Sci. 23:521- 526 (2007)

³Treatment 4 shows the value of A-Boost, the blend of fatty acids with Apex