

Bi-pass Calf XPro

Effect of using 10% or 15% of Bi-pass Calf pro instead of soybean meal as a starter on the calf performance after 63 days of consumption.

ltems	Soybean meal	10% CalfXPro	15% CalfXPro	SEM	P- Value
Body weight (kg)	76.6	83.2	82.6	1.61	0.01
Serum Amyloid A Pg/mL	10.80	6.83	5.64	1.01	0.03
Interleukin Pg/mL	289.0	156.2	105.7	28.19	0.04

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Bi-pass Close-UpPro

• Cows at close up period was feed by Close-UpPro until giving birth.

• The immune system of the close-up cows showed the positive response to **Close-UpPro**.

• In this study we create an anionic feed for close up cows specially, then we did compare it with anionic salts.

ltems	Anionic salts	Close-UpPro	SEM	P-Value
Cortisol (µg/dl) Prepartum	3.95	3.52	0.29	0.28
Cortisol (µg/dl) Postpartum	4.09	3.31	0.25	0.04
Creatinine (mg/dl) Prepartum	1.65	1.30	0.14	0.05
Creatinine (mg/dl) Postpartum	1.50	1.42	0.07	0.46
Colostrum yield (kg)	4.47	6.64	0.8	0.05

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