

The effect of dietary Safechan70 supplementation to young rearing calves on body weight and medical treatments

Internal report for company discussion

Dr Eliezer Smoler

E. H. Smoler Consulting Research for Agricultural Science LTD.

The study was conducted with commercial herd of Kibbutz Gevuloth at Reffet Hanegev Agro. Cooperative calves barn.

Thirty four calves after given the first milk "Colostrum" Were housed in individual hutches. The calves were divided into 2 groups according to body weight and calving date.

The treatments were as follows:

1) Control-calves were fed a basal calf's concentrate diet containing 18% crude protein, water and milk replacer powder with 24% crude protein according to local farm practice.

2) Treatment-fed as the control group and supplemented with 20g/head/day of Safechan 70. The Safechan70 powder was hand mixed into the total treatment group milk diet.

The study continued 60 days. Body weight, antibiotic and other medical treatment results are presented in table 1.

The average daily gain in the Safechan 70 group was 5.8% higher than in the control group. The ration of total body gain to birth weight was 3.8% higher in the Safechan group than in the control group. The diarrhea events were much (4 vs. 23) lower in the Safechan 70 group compare to the control group. Also, antibiotic and other medical treatments were much lower in the Safechan 70 group (4 vs. 14 and 4 vs. 20).

Table 1. Average body weight and antibiotic treatments given to calves treated with Safechan 70 against control group.

	Safechan 70	Control
Body weight at the beginning of experiment (kg)	38.8	36.7
Body weight after 60 days (kg)	76.8	71.2
Daily gain (g/day)	620	586
Ration of total body gain to birth weight	0.986	0.950
Diarrhea events	4	23
Antibiotic treatments	4	14
Other medical treatments	4	20

Summary

According to the results of the current study supplementation of Safchan70 increase average daily body gain by 5.8% and has a big significant effect on the reduction of the diarrhea events, antibiotic and other medical treatments compared to control group.

The results indicate clearly better veterinary treatments and good medical animal practice and health condition to be achieved when use the Safechan70 in daily farm use.