

# Organic additives in diet of dairy cows can reduce the conventional antiparasitic to control ticks



Luis Ferreira<sup>1</sup>, André Daurea<sup>1</sup>, Lauriston Bertelli<sup>1</sup>, André Nascimento<sup>2</sup>, Maria Lima<sup>2</sup>,  
Rafael Mendonça<sup>2</sup>;

1Premix<sup>®</sup> Company, Ribeirão Preto, SP, Brazil,  
2University of Franca (UNIFRAN), Franca, SP, Brazil

luis.ferreira@premix.com.br; andre.daurea@premix.com.br; lauriston.bertelli@premix.com.br



- The organic additives are been used to control metabolic issues and improve the immunity;
- The aim of this work was to evaluate the action of organic additive Fator P<sup>®</sup> in controlling the *Rhipicephalus (Boophilus) microplus*;
- To evaluate the action of the additive, 15 counts during the 281 days of experiment after the start of treatment were performed;
- The efficacy was greater than 50% in 5 days out of 15 evaluated, with a statistically significant;



- During the experiment there was a reduction of 64.2% in the number of treatment with others carapaticidal in animals supplemented with this additive organic;
- Fator P® is an organic additive composed to: aminoacids, choline, mineral, probiotics and essentials fatty acids (Omega 3 and Omega 6);
- Studies indicate the inclusion of essentials fatty acids can to improve the immune response of animals, and immune resistance against of ectoparasite;
- Conclusion: the work showed that the used of organic additive can to improve the production, and to become the practice more sustainable;

EXPERIMENTAL DAYS	CONTROL	TREATED
3	6,0 (±3,9)	5,1 (±5,5)
5	0,0 (±0,0)	0,0 (±0,0)
7	0,0 (±0,0)	0,0 (±0,0)
14	0,0 (±0,0)	0,0 (±0,0)
21	2,4 (±1,9)	1,9 (±1,0)
28	1,2 (±1,7)	3,0 (±3,8)
57	8,8 (±6,3)	9,8 (±5,9)
86	11,4* (±7,2)	26,7* (±23,7)
115	24,2** (±11,5)	7,6** (±2,1)
144	27,0 (±17,9)	16,5 (±10,7)
172	25,5* (±15,0)	10,7* (±9,9)
200	24,3* (±18,9)	9,0* (±9,7)
227	34,8*** (±15,5)	8,1*** (±9,6)
254	22,8* (±14,2)	7,9* (±11,1)
281	16,6 (±14,9)	9,1 (±12,3)
<b>*p &lt; 0.05; **p &lt; 0.01; ***p &lt; 0.001</b>		



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