

Effect of Using Biochemical Fulvic Acid on Mastitis and the Performance of Dairy Cow

YANG Xiao-song, YU Da-li, GAO Li-juan, JIA Wei-xing, ZHANG Li-ping, YU Ming, DAI Guang-zhong (Institute of Animal Husbandry and Veterinary Science of Tongliao City, Tongliao, Inner Mongolia 028000)

A comparative feeding trial was done by using 32 lactating dairy cows fed with biochemical fulvic acid. The results showed that the cure efficiency rate of biochemical fulvic acid to clinic mastitis and subclinic mastitis was 100% and curative rate was 80%. The milk output of experiment group was 13.84% higher than that of control group, the difference was distinct ($P < 0.05$). Compared with control group, the milk output increased by 14.94% and food conversion rate increased by 13.79% in experiment group after weight adjustment, the differences were significant ($P < 0.05$). The annually increased profit amounts to 1659.31 RMB Yuan per head. The significantly increased profit include increased milk output, improved milk scale and decreased loss through preventing clinic and subclinic mastitis, to which the amount is 881.45, 400.00, 377.86 RMB Yuan separately.