

## Effects of Probiotics Supplementation on Production Performance and Egg Quality of White-feather Broiler Breeders

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**Abstract:** In recent years, probiotics has been widely used as a new feed additives. In order to verify the effects of microencapsulated probiotics on production performance and egg quality of broiler breeders, its application effect was observed and analyzed. The results showed that: compared with the control group, the laying rate and hatchable egg rate of probiotics supplementation group(experimental group)were increased by 1.12% and 2.27%; Average egg weight of experimental group was increased by 4.75%, reached a significant level( $P<0.01$ ); Albumen height and Haugh unit of experimental group were increased by 9.45%( $P<0.01$ )and 6.64%( $P<0.05$ ), respectively; The difference in eggshell thickness and eggshell strength between the experimental group and control group was not significant( $P>0.05$ ).

**Key words:** microencapsulated probiotics; broiler breeder; production performance; egg quality