種土雞在不同雞舍環境下對熱季蛋品質與繁殖性能之影響

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本試驗目的係比較種用畜試土雞飼養於水簾式及傳統式雞舍並搭配個別籠飼與群養籠飼之熱季蛋品質與繁殖性能。以畜試土雞台畜母12號為試驗動物共264隻，於18週齡後，逢機分成兩組，每組數目相同，分置於傳統式種雞舍及水簾式種雞舍，採籠飼方式分個別籠及群養籠，餵飼相同產蛋料。記錄熱季(6-8月)種土雞在傳統式種雞舍及水簾式種雞舍之蛋品品質、受精率、孵化率、出雛重及新城雞病(ND)、傳染性支氣管炎(IB)、傳染性華氏囊病(IBD)抗體力價等資料。試驗結果顯示，在蛋品質方面，蛋比重以水簾式個別籠顯著較傳統式群飼籠組為高（$P < 0.05$）。在繁殖性能方面，人工受精後1-7天受精率則以傳統式或水簾式群飼籠顯著較個別籠組為高（$P < 0.05$），孵化率則各組間無顯著差異，出雛重以水簾式群飼籠顯著較其他組為高（$P < 0.05$）；而人工受精後8-14天受精率與孵化率則各組間無顯著差異。在初產蛋重方面，水簾式雞舍個別籠飼顯著比傳統式雞舍個別籠飼為重($P<0.05$)。至於傳染性支氣管炎(IB)抗體力價方面，以水簾式群養籠飼顯著較傳統式群養籠飼高($P<0.05$)。

關鍵語：種土雞、雞舍、繁殖性能

EFFECT OF DIFFERENT CHICKEN HOUSE ON THE EGG QUALITY AND REPRODUCTION PERFORMANCE OF LRI NATIVE CHICKEN BREEDER UNDER HOT SEASON

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The experiment was to compare the egg quality and reproduction performance of LRI native chicken breeder fed under water-pad and open chicken house with individual and group cages during hot season. Two hundred and sixty four day-old LRI Taishu No.12 female chicks were used as experiment animals. After 18 weeks of age, birds were allotted into two groups, one in open breeder house and one in water-pad breeder house feeding with the same laying diets. Egg quality, fertility rate, hatch rate, hatched chicks weight and antibody titers of ND, IB and IBD were recorded during hot season (June-Aug.). In reproduction performance, fertility rate was higher in group cages than that in individual cages of traditional or water-pad house after 1-7 days of AI ($P<0.05$). No significant difference was found on hatch rate. Water-pad house with group cages had higher hatched chicks' weight than the other groups ($P<0.05$). No significant difference was found on fertility rate and hatch rate after 8-14 days of AI. In the 1st egg weight, water-pad house with group cages was significantly higher than traditional house with individual cages ($P<0.05$). In antibody titers, water-pad house with group cages was significantly higher traditional house with group cages ($P<0.05$).

Key Words: Native chicken breeder, Chicken house, Reproduction performance