



Comparative effect of stocking density and flock size on performance and egg quality of laying hens in conventional and furnished California cages

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Received: 2 August 2022; Accepted: 18 October 2022

Supplementary Table 1. Comparison of Live Body Weight (LBW) and Body Weight Gain (BWG) in furnished cages vs conventional California cages

Treatment	Initial live Body weight (28 th week of birds age)	Final live Body weight (47 th week of birds age)	BWG
FC-548cm ² /b × 6B	1309.00±19.96	1402.00±19.36	93.00±18.48
FC-645cm ² /b × 6B	1333.83±31.09	1410.17±27.77	76.33±18.57
CC-548cm ² /b × 6B	1246.33±34.50	1378.50±30.51	132.17±38.93
CC-645cm ² /b × 6B	1248.50±28.05	1408.67±37.60	160.17±25.80
SEM	15.639	14.026	14.239
P value	NS	NS	NS

Means bearing superscript within a column differ significantly. NS, Non-significant.

Supplementary Table 2. Comparison of feed conversion ratio (per dozen eggs) in furnished cages vs conventional California cages

Treatment	Experimental Birds age/period					
	28- 31 wk	32-35 wk	36-39 wk	40-43wk	44-47 wk	28-47 wk
FC-548cm ² /b × 6B	1.48 ^a ±0.03	1.47±0.03	1.49±0.04	1.48±0.03	1.47±0.03	1.49±0.04
FC-645cm ² /b × 6B	1.46 ^{ab} ±0.03	1.47±0.02	1.54±0.06	1.46±0.03	1.47±0.02	1.54±0.06
CC-548cm ² /b × 6B	1.38 ^c ±0.01	1.43±0.02	1.43±0.02	1.45±0.03	1.42±0.02	1.42±0.01
CC-645cm ² /b × 6B	1.41 ^{bc} ±0.01	1.42±0.03	1.41±0.03	1.40±0.03	1.43±0.03	1.42±0.02
SEM	0.013	0.013	0.021	0.014	0.013	0.020
P value	*	NS	NS	NS	NS	NS

Means bearing superscript within a column differ significantly. NS-Non-significant, *P<0.05, **P<0.01.

Supplementary Table 3. Comparison of feed conversion ratio (per kg egg mass) in furnished cages vs conventional California cages

Treatment	Experimental Birds age/period					
	28-31wk	28-31wk	28-31wk	28-31wk	28-31wk	28-31wk
FC-548cm ² /b × 6B	2.30±0.04	2.23±0.04	2.21±0.06	2.13±0.01	2.13±0.01	2.21±0.02
FC-645cm ² /b × 6B	2.32±0.04	2.30±0.03	2.29±0.09	2.10±0.04	2.10±0.04	2.24±0.04
CC-548cm ² /b × 6B	2.33±0.03	2.28±0.03	2.28±0.03	2.19±0.05	2.17±0.04	2.25±0.02
CC-645cm ² /b × 6B	2.27±0.04	2.24±0.05	2.18±0.04	2.12±0.04	2.18±0.04	2.20±0.03
SEM	0.018	0.020	0.030	0.018	0.018	0.014
P value	NS	NS	NS	NS	NS	NS

Means bearing superscript within a column differ significantly. NS, Non-significant, *P<0.05, **P<0.01.