

Supplementary Material

Table S3. Least squares means \pm standard errors for egg quality traits during the last three consecutive days of preliminary (Pre), first (R1) and second recovery period (R2) in control (CON) and calcium deficient (DEF) groups of four layer lines (WLA, R11, BLA, L68).

Period	WLA		R11		BLA		L68	
	CON	DEF	CON	DEF	CON	DEF	CON	DEF
Egg weight (g)								
Pre	59.16 ± 0.87	58.19 ± 0.62	46.13 ± 0.42	45.91 ± 0.34	58.83 ± 0.86	59.83 ± 0.59	47.72 ± 0.69	47.62 ± 0.45
R1	60.12 ± 0.78	60.65 ± 0.5	49.34 ± 0.41	49.18 ± 0.3	61.57 ± 1.23	60.36 ± 0.83	52.68 ± 0.79	51.47 ± 0.49
R2	59.43 ± 0.8	53.68 ± 3.23	51.79 ± 1.0	52.48 ± 0.72	62.30 ± 2.45	63.00 ± 1.72	51.79 ± 1.0	52.48 ± 0.72
Eggshell weight (g)								
Pre	6.65 ± 0.12	6.68 ± 0.08	4.63 ± 0.08	4.71 ± 0.06	6.20 ± 0.13	6.32 ± 0.09	4.77 ± 0.17	4.73 ± 0.12
R1	6.94 ± 0.16	7.08 ± 0.11	5.01 ± 0.07	5.28 ± 0.06	6.52 ± 0.14	6.63 ± 0.1	5.42 ^a ± 0.1	5.14 ^b ± 0.06
R2	7.11 ± 0.16	7.14 ± 0.11	5.40 ± 0.15	5.60 ± 0.11	6.61 ± 0.49	6.87 ± 0.35	5.40 ± 0.15	5.60 ± 0.11
Eggshell thickness (mm)								
Pre	0.39 ± 0.01	0.39 ± 0.01	0.32 ± 0.01	0.31 ± 0.01	0.36 ± 0.01	0.37 ± 0.01	0.32 ± 0.01	0.31 ± 0.01
R1	0.39 ± 0.01	0.37 ± 0.01	0.32 ± 0.01	0.32 ± 0.01	0.36 ± 0.01	0.36 ± 0.01	0.33 ^a ± 0.01	0.31 ^b ± 0.01
R2	0.38 ± 0.01	0.39 ± 0.01	0.33 ± 0.01	0.33 ± 0.01	0.36 ± 0.01	0.37 ± 0.01	0.33 ± 0.01	0.33 ± 0.01
Eggshell breaking strength (N)								
Pre	49.26 ± 1.89	50.70 ± 1.35	34.36 ± 1.3	34.60 ± 0.98	44.12 ± 1.72	45.95 ± 1.15	38.05 ± 2.67	37.29 ± 1.85
R1	42.96 ± 2.86	43.70 ± 1.91	28.70 ± 1.59	29.89 ± 1.26	38.33 ± 1.47	38.78 ± 0.99	30.28 ± 2.0	29.91 ± 1.26
R2	37.97 ± 2.41	38.14 ± 1.73	25.64 ± 3.18	27.39 ± 2.27	31.6 ± 2.67	34.00 ± 1.86	25.64 ± 3.18	27.39 ± 2.27

^{a,b} Means with no common superscript differed significantly within each parameter, experimental period and layer line (Tukey's HSD-Test, $p < 0.05$).