



Layer Research | Hyline W36 Layer Test

Auburn University, Dr. David A. Roland, Sr.

Completed at Auburn University under the direction of Dr. David A. Roland, Sr. in February 1995. Eight one week replications with each replication consisting of 6 pens of 16 control hens and 6 pens of 16 test hens with AZOMITE[®] added at 0.5% to the diets of the 96 test hens.

FEED CONSUMPTION			EGG PRODUCTION	
Average for each 16 hens			Average for each 16 hens	
Week	Control	AZOMITE [®]	Control	AZOMITE [®]
1	88.51	87.90	78.33	81.00
2	92.13	90.30	70.50	77.17
3	88.24	87.43	79.83	82.33
4	96.58	95.25	80.00	79.17
5	94.88	94.27	77.67	78.83
6	92.64	91.80	75.33	77.67
7	93.15	93.82	78.50	78.83
8	94.88	91.55	75.17	78.33
Average	92.63	91.54	76.92	79.17
Difference		1.09		2.25
Percent		1.17%		2.93%
Std. Dev.	2.794959	2.696349	2.953989	1.601608
P<		0.21		0.05

Specific Gravity			Egg Weights	
Average for each 16 hens			Average for each 16 hens	
Week	Control	AZOMITE®	Control	AZOMITE®
1	1.07770	1.07775	60.85	59.33
2	1.08137	1.08142	61.35	60.18
3	1.07805	1.07887	60.98	59.72
4	1.07872	1.08038	60.95	60.02
5	1.08010	1.07998	61.23	60.30
6	1.07995	1.08008	60.97	59.83
7	1.07840	1.07952	61.58	60.40
8	1.07910	1.07925	61.73	61.05
Average	1.07917	1.07966	61.21	60.10
Difference		0.00048	1.10	
Std. Dev.	0.001147	0.001022	0.303068	0.481584
P<	0.18		0.05	

		Control	AZOMITE®
OTHER TESTS	Comment	Average	Average
Bone Strength	Normal Range	0.155	0.150
Bone Density	Normal Range	0.556	0.559
Blood-TCA	Normal Range	6.459	6.616
Blood-CA	Normal Range	1.461	1.439
Blood-PH	Normal Range	7.816	7.745
Blood-NCA	Normal Range	1.753	1.678
Blood-PERCA	Normal Range	22.840	22.280