

Vitamin D and ultraviolet light in Indoor birds

1 **Appendix 1.** Proportions of time spent in UVB resource and circulating vitamin D₃ (25(OH)D₃) 2 before and after UVB supplementation 3

Aviary	Species	Pre UVB supplementation		Post UVB supplementation			Comment
		Proportion of time in UVB resource 10:00 to 14:00	25(OH)D ₃ levels (nmol/L)	Proportion of time in UVB resource 10:00 to 14:00	Proportion of time in UVB resource 06:00 to 14:00	25(OH)D ₃ levels (nmol/L)	
A	Congo Peafowl	0.003572904	8.85	0.032567353	0.029194506	22.4	
A	White Crested Turaco	0.002333746	7.5	0.013312203	0.019543379	7.5	
A	White Crested Turaco	0.002333746	7.5	0.013312203	0.019543379	8.55	
A	White Crested Turaco	-	7.5	-	-	7.5	
A	Snowy Headed Robin Chat	0.04370095	7.5	0.034627575	0.02814588	10.25	
A	Snowy Headed Robin Chat	0.04370095	9.45	0.034627575	0.02814588	7.5	Breeding hen
C	White rumped Shama	-	20.7	-	-	29.05	Breeding hen
C/B	White rumped Shama	-	-	0.002747253	0.00777896	16.85	Insufficient sample pre UVB
B	Chestnut Back thrush	0.017456509	27.7	0.010568748	0.005745489	48.05	
D	Montserrat Oriole	0.036078567	7.65	0.040855457	0.024141876	10	
D	Montserrat Oriole	0.002101999	7.5	0.02144174	0.045209764	34.5	Breeding hen
F	Fairy Bluebird	-	7.5	-	-	8.05	
F	Fairy Bluebird	-	9.3	-	-	7.5	
B	Fairy Bluebird	0.004125138	-	0.119466432	0.0720956	-	
B	Fairy Bluebird	0.000359911	-	0.014467898	0.008372903	-	
F	Brazilian Tanager	-	7.5	-	-	7.5	
F	Brazilian Tanager	-	7.5	-	-	7.5	
B	Mindanao Bleeding Heart Dove	0.011537692	7.5	0.06377895	0.070240354	11.2	Breeding hen
B	Mindanao Bleeding Heart Dove	-	7.5	-	-	-	Died
C	Mindanao Bleeding Heart Dove	-	7.5	-	-	11	Breeding hen
C	Mindanao Bleeding Heart Dove	-	7.5	-	-	15.05	
F	Luzon Bleeding Heart Dove	-	14	-	-	-	Died
D	Socorro Dove	0.00500804	7.5	0.08270649	0.083935927	7.5	
B	Socorro Dove	0.015976805	7.5	0.010099678	0.054830803	11.1	
D	Socorro Dove	0.00500804	7.5	0.08270649	0.083935927	22	
E	Socorro Dove	-	7.5	-	-	15.3	
F	Green Naped Pheasant Pigeon	-	7.65	-	-	14.7	
F	Green Naped Pheasant Pigeon	-	10	-	-	9.25	Breeding hen
E	White Naped Pheasant Pigeon	-	7.5	-	-	-	Died
E	White Naped Pheasant Pigeon	-	7.5	-	-	12.9	
E	White Naped Pheasant Pigeon	-	7.5	-	-	7.5	
E	Brown breasted barbet	-	7.5	-	-	21.2	
E	Brown breasted barbet	-	12.2	-	-	7.5	Breeding hen

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