

Table S1. Effects of experimental treatments on DHA; ANOVA results.

Error: Year		Df	Sum Sq	Mean Sq			
Year		2	195.8	97.92			
Error: Within		Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Term		3	154.64	51.55	3.084979	0.111599	
Treatment		8	7.42	0.93	3.1	0.025793	*
Term:Treatment		24	12.88	0.54	3	0.000592	***
Term:Year		6	100.25	16.71	1145.49	0	***
Treatment:Year		16	4.87	0.3	20.86	0	***
Term:Treatment:Year		48	8.6	0.18	12.29	0	***
Residuals		216	3.15	0.01			

Table S2. Effects of experimental treatments on PAC; ANOVA results.

Error: Year		Df	Sum Sq	Mean Sq			
Year		2	95.73	47.86			
Error: Within		Df	Sum Sq	Mean Sq	F value	Pr(>F)	
TERM		3	109.2	36.4	3.607532	0.084852	
Treatment		8	3.98	0.5	2.173913	0.088613	
TERM:Treatment		24	9.3	0.39	3	0.000592	***
TERM:Year		6	60.54	10.09	439.768	0	***
Treatment:Year		16	3.69	0.23	10.044	0	***
TERM:Treatment:Year		48	6.13	0.13	5.569	0	***
Residuals		216	4.96	0.02			

Table S3. Effects of experimental treatments on PAL; ANOVA results.

Error: Year		Df	Sum Sq	Mean Sq			
Year		2	81.9	40.95			
Error: Within		Df	Sum Sq	Mean Sq	F value	Pr(>F)	
TERM		3	30	9.999	172.3966	3.29E-06	***
Treatment		8	0.59	0.074	1.121212	0.400233	
TERM:Treatment		24	1.38	0.058	1.8125	0.039711	*
TERM:Year		6	48.04	8.006	4200.09	0	***
Treatment:Year		16	1.05	0.066	34.45	0	***
TERM:Treatment:Year		48	1.52	0.032	16.66	0	***
Residuals		216	0.41	0.002			

Table S4. Effects of experimental treatments on CAT; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	448855	22443			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
TERM	3	113216	37739	112.991	1.14E-05	***
Treatment	8	5705	713	2.42517	0.062588	
TERM:Treatment	24	8006	334	1.786096	0.043547	*
TERM:Year	6	92092	15349	827.14	0	***
Treatment:Year	16	4701	294	15.83	0	***
TERM:Treatment:Year	48	8996	187	10.1	0	***
Residuals	216	4008	19			

Table S5. Effects of experimental treatments on BIF; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	2386	1193			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
TERM	3	31846	10615	8.897737	0.012554	***
Treatment	8	2139	267	1.745098	0.163294	
TERM:Treatment	24	6296	262	2.425926	0.004467	**
TERM:Year	6	7157	1193	98.728	0	***
Treatment:Year	16	2447	153	12.659	0	***
TERM:Treatment:Year	48	5202	108	8.969	0	***
Residuals	216	2610	12			

Table S6. Effects of experimental treatments on Y; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	31326	15663			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	59.5	7.434	0.334759	0.93964	
Treatment:Year	16	355.3	22.207	30.57	0	***
Residuals	81	58.8	0.726			

Table S7. Effects of experimental treatments on M; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	94.14	47.07			

Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	8.201	1.0251	1.280255	0.319701	
Treatment:Year	16	12.81	0.8007	2.469	0.00421	**
Residuals	81	26.264	0.3242			

Table S8. Effects of experimental treatments on TSW; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	194631	97315			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	667.6	83.45	0.507573	0.83347	
Treatment:Year	16	2630.6	164.41	4.326	0	***
Residuals	81	3078.7	38.01			

Table S9. Effects of experimental treatments on SSPW; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	2917	1459			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	3589	448.7	1.632824	0.192106	
Treatment:Year	16	4396	274.8	2.309	0.007526	**
Residuals	81	9639	119			

Table S10. Effects of experimental treatments on H; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	28266	14133			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	605.5	75.69	0.735497	0.660208	
Treatment:Year	16	1646.6	102.91	4.188	3.46E-06	***
Residuals	81	1990.2	24.57			

Table S11. Effects of experimental treatments on SW/P; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	0.14	0.0729			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	

Treatment	8	0.187	0.023374	2.311	3.46E-06	***
Treatment:Year	16	0.0837	0.005233	0.517	0.04971	
Residuals	81	0.8192	0.010113			

Table S12. Effects of experimental treatments on CCI; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	10.54	5.273			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	894.1	111.76	2.485212	0.057675	
Treatment:Year	16	719.5	44.97	22.66	3.46E-06	***
Residuals	81	160.7	1.98			

Table S13. Effects of experimental treatments on Fv/Fm; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	0.000224	0.000112			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	0.03133	0.003916	1.884504	0.1336	
Treatment:Year	16	0.03324	0.002078	4.197	3.46E-06	***
Residuals	81	0.0401	0.000495			

Table S14. Effects of experimental treatments on PDM; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	933.9	466.9			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	73.92	9.24	1.076798	0.425624	
Treatment:Year	16	137.3	8.581	5.092	3.46E-06	***
Residuals	81	136.51	1.685			

Table S15. Effects of experimental treatments on LAI; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	38.88	19.44			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	5.17	0.6462	2.654889	0.045916	*
Treatment:Year	16	3.895	0.2434	22.7	3.46E-06	***

Residuals	81	0.869	0.0107			
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Table S16. Effects of experimental treatments on BNF; ANOVA results.

Error: Year	Df	Sum Sq	Mean Sq			
Year	2	267459	133729			
Error: Within	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
Treatment	8	596653	74582	12.45109	1.5E-05	***
Treatment:Year	16	95837	5990	35.4	1.5E-05	***
Residuals	81	13705	169			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1