

Bloom-forming macroalgae (*Ulva* spp.) inhibit the growth of co-occurring macroalgae and decrease eastern oyster larval survival

Lindsay A. Green-Gavrielidis*, Fiona MacKechnie, Carol S. Thornber, and Marta Gomez-Chiarri

*Corresponding author: lindsaygreen@uri.edu

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Table S1. Results of split-plot ANOVA testing the effects of treatment (3 levels) and day (4 levels) on the relative growth rate (RGR; % day⁻¹) of *G. vermiculophylla*. Experiment (n=2) was used as a blocking factor. In order to meet the assumption of heterogeneity of variances, *G. vermiculophylla* growth rate with log transformed.

Source	DF	MS	F-ratio Denominator	F-Ratio	p
Treatment (T)	2	0.088	T X Exp	1.859	0.3498
Experiment (Exp; block)	1	0.010	T X Exp	0.208	0.6928
T X Exp	2	0.048			
Day	3	0.013	Model Error	0.468	0.7047
Day x T	6	0.059	Model Error	2.178	0.0480*
Model Error	153	0.027			

Table S2. Results of split-plot ANOVA testing the effects of treatment (3 levels) and day (4 levels) on the relative growth rate (RGR; % day⁻¹) of *C. purpureum*. Experiment (n=2) was used as a blocking factor.

Source	DF	MS	F-ratio Denominator	F-Ratio	p
Treatment (T)	2	689.232	T X Exp	7.920	0.1121
Experiment (Exp; block)	1	132.589	T X Exp	1.524	0.3424
T X Exp	2	87.0238			
Day	3	179.957	Model Error	8.197	<0.0001*
Day x T	6	86.574	Model Error	3.943	0.0011*
Model Error	151	20.859			

Table S3. Results of split-plot ANOVA testing the effects of treatment (3 levels) and day (4 levels) on the relative growth rate (RGR; % day⁻¹) of *C. crispus*. Experiment (n=2) was used as a blocking factor.

Source	DF	MS	F-ratio Denominator	F-Ratio	p
Treatment (T)	2	247.447	T X Exp	39.229	0.0249*
Experiment (Exp; block)	1	127.254	T X Exp	20.174	0.0462*
T X Exp	2	6.308			
Day	3	74.825	Model Error	8.712	<0.001*
Day x T	6	22.688	Model Error	2.642	0.0182*
Model Error	152	8.589			

Table S4. Results of split-split-plot ANOVA testing the effects of *Ulva* species (2 levels), nutrients (2 levels) and day (3 levels) on the relative percent survival of oyster larvae. Experiment (n=3) was used as a blocking factor.

Source	DF	MS	F-ratio Denominator	F-Ratio	p
<i>Ulva</i> species (<i>Ulva</i>)	1	1104.8	<i>Ulva</i> X Exp	47.41	0.0079*
Experiment (Exp; block)	2	1537.58	<i>Ulva</i> X Exp	7.52	0.1167
<i>Ulva</i> X Exp	2	204.14			
Nutrients (N)	1	16245.0	N x <i>Ulva</i> x Exp	15.60	0.0693
N x <i>Ulva</i>	1	41202.2	N x <i>Ulva</i> x Exp	39.55	0.0205*
N x <i>Ulva</i> x Exp	2	1041.66			
Day	2	1266.74	Model Error	1.21	0.3021
Day x <i>Ulva</i>	2	507.09	Model Error	0.48	0.6176
Day x N	2	1587.46	Model Error	1.51	0.2240
Day x N x <i>Ulva</i>	2	7043.46	Model Error	6.72	0.0017*
Model Error	122	1048.03			