Sampling Period	Parameter	Averages ± Standard Deviations*			Probabilities (P) Values**			
		Flipping Regime			Anova P-value	Post Hoc Tukey Test		
		Weekly (W)	Biweekly (B)	TriWeekly (T)		W to B	W to T	B to T
1st Sampling	Shell Height (mm)	56.9 ± 7.0 a	60.8 ± 7.5 b	60.7 ± 7.9 b	0.00	0.01	0.01	1.00
	Shell Length (mm)	42.7 ± 5.0	44.8 ± 5.5	44.3 ± 6.2	0.18			
	Shell Width (mm)	20.1 ± 3.0	21.0 ± 3.6	20.7 ± 3.4	0.06			
	Fan Ratio	0.76 ± 0.1	0.7 ± 0.1	0.73 ± 0.1	0.28			
	Cup Ratio	0.36 ± 0.0	0.3 ± 0.1	0.34 ± 0.0	0.30			
2nd Sampling	Shell Height (mm)	72.6 ± 8.3 a	79.0 ± 8.6 b	79.4 ± 8.8 b	0.00	0.00	0.00	0.88
	Shell Length (mm)	57.2 ± 5.8 a	61.0 ± 6.2 b	60.4 ± 7.0 b	0.02	0.02	0.04	0.86
	Shell Width (mm)	26.7 ± 3.3 a	28.2 ± 3.5 ab	29.4 ± 3.9 b	0.00	0.05	0.00	0.13
	Fan Ratio	0.79 ± 0.1	0.8 ± 0.1	0.77 ± 0.1	0.08			
	Cup Ratio	0.37 ± 0.0	0.4 ± 0.0	0.37 ± 0.1	0.19			
Final Harvest	Shell Height (mm)	85.0 ± 8.8 a	91.5 ± 9.4 b	91.5 ± 10.4 b	0.00	0.00	0.00	1.00
	Shell Length (mm)	66.4 ± 6.4	67.5 ± 7.7	67.7 ± 8.1	0.41			
	Shell Width (mm)	32.4 ± 3.8	33.4 ± 4.1	32.9 ± 4.2	0.07			
	Fan Ratio	0.78 ± 0.08 a	0.74 ± 0.1 b	0.75 ± 0.1 b	0.00	0.00	0.00	0.96
	Cup Ratio	0.38 ± 0.05 a	0.37 ± 0.0 b	0.36 ± 0.0 b	0.01	0.03	0.01	0.49
	Total Weight-Wet (g)	111.4 ± 23.5 a	126.6 ± 28.6 b	121.9 ± 31.0 b	0.01	0.01	0.05	0.41
	Defouled Wet Weight (g)	99.3 ± 19.8	110.7 ± 26.5	103.9 ± 25.4	0.05			
	Meat Weight-Wet (g)	17.3 ± 4.2	18.0 ± 5.9	16.7 ± 5.5	0.69			
	Meat Weight-Dry (g)	2.4 ± 0.7	2.4 ± 1.0	1.9 ± 0.8	0.11			
	Condition Index	11.4 ± 2.9 a	9.4 ± 2.7 a	7.5 ± 2.2 b	0.00	0.07	0.00	0.03
	Biofouling on Oyster (g)	6.6 ± 7.1 a	15.5 ± 7.8 b	15.7 ± 9.5 b	0.00	0.00	0.00	0.99
	Biofouling on Oyster (%)	5.0 ± 2.1 a	13.7 ± 0.8 b	13.3 ± 1.5 b	0.00	0.00	0.00	0.95
	Biofouling on Bag (%)	55.3 ± 0.9 a	64.5 ± 0.6 b	65.4 ± 0.5 b	0.00	0.00	0.00	0.84
	Survival (%)	90.1 ± 1.0	88.8 ± 1.4	90.6 ± 1.0	0.77			

* Parameter values with different letters indicate significant differences ($p<0.05$) among flipping regimes.

** Statistical tests to determine significant differences among multiple treatment (flipping regimes) averages.

If $p>0.05$ for the Anova test, then the post hoc Tukey test is not applied.

Sampling Period	Parameter	Averages + Standard Deviations*						Probabilities (P) Values**				
		Flipping Regime and Anti Fouling Bag Coatings						Anova P-value: Coated vs Uncoated Bags within Flipping Regime	Post Hoc Tukey Test P-values: Coated vs Uncoated Bags within Flipping Regime			Anova P-value: Flipping Regimes within Coated and Uncoated Bags
		Weekly: Coated (WC)	Weekly: Uncoated (WU)	Biweekly: Coated (BC)	Biweekly: Uncoated (BU)	Triweekly: Coated (TC)	Triweekly: Uncoated (TU)		WC to WU	BC to BU	TC to TU	
1st Sampling	Shell Height (mm)	56.5 ± 6.4	57.3 ± 7.5	61.1 ± 7.3	60.4 ± 7.7	60.2 ± 8.1	61.2 ± 7.7	0.645				0.588
	Shell Length (mm)	42.3 ± 4.9	43.1 ± 5.1	44.8 ± 5.5	60.4 ± 5.6	43.6 ± 6.3	45.1 ± 6.0	0.140				0.511
	Shell Width (mm)	20.0 ± 3.0	20.1 ± 3.0	21.0 ± 3.8	44.9 ± 3.3	20.5 ± 3.3	21.0 ± 3.5	0.371				0.698
	Fan Ratio	0.75 ± 0.1	0.76 ± 0.1	0.74 ± 0.1	21.10 ± 0.08	0.73 ± 0.1	0.74 ± 0.1	0.146				0.695
	Cup Ratio	0.36 ± 0.0	0.35 ± 0.1	0.35 ± 0.1	0.75 ± 0.05	0.34 ± 0.0	0.35 ± 0.1	0.597				0.571
2nd Sampling	Shell Height (mm)	72.4 ± 7.9	72.9 ± 8.7	78.8 ± 8.9	79.1 ± 8.4	78.4 ± 9.6	80.4 ± 7.8	0.231				0.594
	Shell Length (mm)	56.9 ± 5.5	57.4 ± 6.2	60.4 ± 6.0	61.6 ± 6.3	58.8 ± 7.5 a	62.0 ± 6.2 b	0.042	0.393	0.301	0.019	0.154
	Shell Width (mm)	26.4 ± 3.3	27.0 ± 3.3	28.4 ± 3.2	28.1 ± 3.7	29.1 ± 4.3	29.8 ± 3.6	0.218				0.377
	Fan Ratio	0.79 ± 0.1	0.79 ± 0.1	0.77 ± 0.1	0.78 ± 0.09	0.76 ± 0.1	0.78 ± 0.1	0.076				0.364
	Cup Ratio	0.37 ± 0.0	0.37 ± 0.0	0.36 ± 0.0	0.36 ± 0.05	0.37 ± 0.1	0.37 ± 0.1	0.200				0.068
Final Harvest	Shell Height (mm)	85.3 ± 8.7 a	84.7 ± 8.8 b	91.1 ± 9.6	91.9 ± 9.2	90.4 ± 10.7	92.5 ± 9.9	0.0001	0.0001	0.528	0.101	0.087
	Shell Length (mm)	66.6 ± 6.2 a	66.3 ± 6.6 b	67.5 ± 7.6	67.5 ± 7.8	66.9 ± 8.2	68.5 ± 8.0	0.0001	0.0001	0.962	0.057	0.081
	Shell Width (mm)	32.1 ± 3.4 a	32.6 ± 4.2 b	33.4 ± 4.0	33.4 ± 4.3	32.7 ± 4.1	33.1 ± 4.2	0.0001	0.0001	0.835	0.247	0.325
	Fan Ratio	0.79 ± 0.1	0.78 ± 0.1	0.75 ± 0.1	0.74 ± 0.1	0.75 ± 0.1	0.74 ± 0.1	0.342				0.842
	Cup Ratio	0.38 ± 0.0	0.38 ± 0.1	0.37 ± 0.0	0.37 ± 0.1	0.37 ± 0.0	0.36 ± 0.0	0.344				0.695
	Total Weight-Wet (g)	111.0 ± 23.4 a	112.0 ± 23.7 b	128.0 ± 28.2	126.0 ± 29.0	117.0 ± 29.7	126.0 ± 31.6	0.0001	0.0001	0.481	0.032	0.080
	Defouled Wet Weight (g)	98.6 ± 19.4	99.9 ± 20.2	111.4 ± 26.2	110.0 ± 26.9	105.0 ± 25.1	102.9 ± 25.8	0.0001	0.0001	0.695	0.568	0.491
	Meat Weight-Wet (g)	17.3 ± 4.2	17.4 ± 4.3	18.5 ± 6.1	17.5 ± 5.7	17.2 ± 5.7	16.2 ± 5.2	0.282				0.575
	Meat Weight-Dry (g)	2.5 ± 0.7 a	2.4 ± 0.6 b	2.4 ± 1.0	2.3 ± 1.0	2.0 ± 0.8	1.8 ± 0.8	0.0001	0.0001	0.586	0.064	0.427
	Condition Index	11.5 ± 2.7 a	11.3 ± 3.1 b	9.4 ± 2.5	9.5 ± 2.9	7.9 ± 2.2	7.2 ± 2.1	0.0001	0.0001	0.978	0.051	0.224
	Biofouling on Oyster (g)	6.5 ± 7.7	6.7 ± 6.4	15.0 ± 8.0	16.1 ± 7.6	13.8 ± 10.0	17.6 ± 8.6	0.224				0.318
	Biofouling on Oyster (%)	4.6 ± 2.4	5.3 ± 1.7	13.1 ± 0.8	14.4 ± 0.7	11.1 ± 2.0	15.7 ± 0.9	0.050				0.339
	Biofouling on Bag (%)	53.8 ± 0.9	56.9 ± 0.9	60.9 ± 0.5 a	68.0 ± 0.5 b	61.6 ± 0.3 a	69.2 ± 0.4 b	0.003	0.116	0.018	0.014	0.270
	Survival (%)	90.1 ± 0.6	90.1 ± 1.4	87.5 ± 1.0	89.5 ± 1.9	90.1 ± 0.9	91.8 ± 1.0	0.422				0.691

* Parameter values with different letters indicate significant differences ($p<0.05$) among flipping regimes and antifouling bag coatings.

** Statistical tests to determine significant differences among multiple treatment averages. If $p>0.05$ for the Anova test, then the post hoc Tukey test is not applied.

Sampling Period	Parameter	Averages + Standard Deviations*						Probabilities (P) Values**				
		Flipping Regime and Anti Fouling Bag Coatings						Anova P-value: Coated vs Uncoated Bags within Flipping Regime	Post Hoc Tukey Test P-values: Coated vs Uncoated Bags within Flipping Regime			Anova P-value: Flipping Regimes within Coated and Uncoated Bags
		Weekly: Coated (WC)	Weekly: Uncoated (WU)	Biweekly: Coated (BC)	Biweekly: Uncoated (BU)	Triweekly: Coated (TC)	Triweekly: Uncoated (TU)		WC to WU	BC to BU	TC to TU	
1st Sampling	Shell Height (mm)	56.5 ± 6.4	57.3 ± 7.5	61.1 ± 7.3	60.4 ± 7.7	60.2 ± 8.1	61.2 ± 7.7	0.64				0.59
	Shell Length (mm)	42.3 ± 4.9	43.1 ± 5.1	44.8 ± 5.5	60.4 ± 5.6	43.6 ± 6.3	45.1 ± 6.0	0.14				0.51
	Shell Width (mm)	20.0 ± 3.0	20.1 ± 3.0	21.0 ± 3.8	44.9 ± 3.3	20.5 ± 3.3	21.0 ± 3.5	0.37				0.70
	Fan Ratio	0.75 ± 0.1	0.76 ± 0.1	0.74 ± 0.1	21.10 ± 0.08	0.73 ± 0.1	0.74 ± 0.1	0.15				0.70
	Cup Ratio	0.36 ± 0.0	0.35 ± 0.1	0.35 ± 0.1	0.75 ± 0.05	0.34 ± 0.0	0.35 ± 0.1	0.60				0.57
2nd Sampling	Shell Height (mm)	72.4 ± 7.9	72.9 ± 8.7	78.8 ± 8.9	79.1 ± 8.4	78.4 ± 9.6	80.4 ± 7.8	0.23				0.59
	Shell Length (mm)	56.9 ± 5.5	57.4 ± 6.2	60.4 ± 6.0	61.6 ± 6.3	58.8 ± 7.5 a	62.0 ± 6.2 b	0.04	0.39	0.30	0.02	0.15
	Shell Width (mm)	26.4 ± 3.3	27.0 ± 3.3	28.4 ± 3.2	28.1 ± 3.7	29.1 ± 4.3	29.8 ± 3.6	0.22				0.38
	Fan Ratio	0.79 ± 0.1	0.79 ± 0.1	0.77 ± 0.1	0.78 ± 0.09	0.76 ± 0.1	0.78 ± 0.1	0.08				0.36
	Cup Ratio	0.37 ± 0.0	0.37 ± 0.0	0.36 ± 0.0	0.36 ± 0.05	0.37 ± 0.1	0.37 ± 0.1	0.20				0.07
Final Harvest	Shell Height (mm)	85.3 ± 8.7 a	84.7 ± 8.8 b	91.1 ± 9.6	91.9 ± 9.2	90.4 ± 10.7	92.5 ± 9.9	0.00	0.00	0.53	0.10	0.09
	Shell Length (mm)	66.6 ± 6.2 a	66.3 ± 6.6 b	67.5 ± 7.6	67.5 ± 7.8	66.9 ± 8.2	68.5 ± 8.0	0.00	0.00	0.96	0.06	0.08
	Shell Width (mm)	32.1 ± 3.4 a	32.6 ± 4.2 b	33.4 ± 4.0	33.4 ± 4.3	32.7 ± 4.1	33.1 ± 4.2	0.00	0.00	0.83	0.25	0.32
	Fan Ratio	0.79 ± 0.1	0.78 ± 0.1	0.75 ± 0.1	0.74 ± 0.1	0.75 ± 0.1	0.74 ± 0.1	0.34				0.84
	Cup Ratio	0.38 ± 0.0	0.38 ± 0.1	0.37 ± 0.0	0.37 ± 0.1	0.37 ± 0.0	0.36 ± 0.0	0.34				0.70
	Total Weight-Wet (g)	111.0 ± 23.4 a	112.0 ± 23.7 b	128.0 ± 28.2	126.0 ± 29.0	117.0 ± 29.7	126.0 ± 31.6	0.00	0.00	0.48	0.03	0.08
	Defouled Wet Weight (g)	98.6 ± 19.4	99.9 ± 20.2	111.4 ± 26.2	110.0 ± 26.9	105.0 ± 25.1	102.9 ± 25.8	0.00	0.00	0.70	0.57	0.49
	Meat Weight-Wet (g)	17.3 ± 4.2	17.4 ± 4.3	18.5 ± 6.1	17.5 ± 5.7	17.2 ± 5.7	16.2 ± 5.2	0.28				0.57
	Meat Weight-Dry (g)	2.5 ± 0.7 a	2.4 ± 0.6 b	2.4 ± 1.0	2.3 ± 1.0	2.0 ± 0.8	1.8 ± 0.8	0.00	0.00	0.59	0.06	0.43
	Condition Index	11.5 ± 2.7 a	11.3 ± 3.1 b	9.4 ± 2.5	9.5 ± 2.9	7.9 ± 2.2	7.2 ± 2.1	0.00	0.00	0.98	0.05	0.22
	Biofouling on Oyster (g)	6.5 ± 7.7	6.7 ± 6.4	15.0 ± 8.0	16.1 ± 7.6	13.8 ± 10.0	17.6 ± 8.6	0.22				0.32
	Biofouling on Oyster (%)	4.6 ± 2.4	5.3 ± 1.7	13.1 ± 0.8	14.4 ± 0.7	11.1 ± 2.0	15.7 ± 0.9	0.05				0.34
	Biofouling on Bag (%)	53.8 ± 0.9	56.9 ± 0.9	60.9 ± 0.5 a	68.0 ± 0.5 b	61.6 ± 0.3 a	69.2 ± 0.4 b	0.00	0.12	0.02	0.01	0.27
	Survival (%)	90.1 ± 0.6	90.1 ± 1.4	87.5 ± 1.0	89.5 ± 1.9	90.1 ± 0.9	91.8 ± 1.0	0.42				0.69

* Parameter values with different letters indicate significant differences ($p<0.05$) among flipping regimes and antifouling bag coatings.

** Statistical tests to determine significant differences among multiple treatment averages. If $p>0.05$ for the Anova test, then the post hoc Tukey test is not applied.

Sampling Period	Parameter	Averages + Standard Deviations*						Probabilities (P) Values**						
		Flipping Regime and Bag Position						Anova P-value Interaction	Post Hoc Tukey Test					
									Top Position			Bottom Position		
		Weekly: Top	Biweekly: Top	Triweekly: Top	Weekly: Bottom	Biweekly: Bottom	Triweekly: Bottom		W to B	W to T	B to T	W to B	W to T	B to T
1st Sampling	Shell Height (mm)	57.2 ± 7.0	61.4 ± 7.6	60.7 ± 8.0	57.0 ± 7.9	59.9 ± 7.8	62.3 ± 7.0	0.31						
	Shell Length (mm)	43.0 ± 4.9	45.8 ± 6.0	44.8 ± 6.1	42.9 ± 5.3	44.1 ± 5.3	45.8 ± 5.9	0.24						
	Shell Width (mm)	20.5 ± 3.0	21.3 ± 3.3	20.4 ± 3.2	19.6 ± 2.9	20.9 ± 3.4	22.4 ± 3.5	0.08						
	Fan Ratio	0.76 ± 0.1	0.75 ± 0.1	0.74 ± 0.1	0.76 ± 0.1	0.75 ± 0.08	0.74 ± 0.1	0.97						
	Cup Ratio	0.36 ± 0.0	0.35 ± 0.1	0.34 ± 0.0	0.35 ± 0.1	0.35 ± 0.05	0.36 ± 0.1	0.14						
2nd Sampling	Shell Height (mm)	70.9 ± 8.1	78.6 ± 9.7	79.7 ± 8.0	74.3 ± 9.0	79.3 ± 7.5	82.0 ± 7.2	0.49						
	Shell Length (mm)	57.5 ± 6.2	59.7 ± 6.7	62.2 ± 6.4	57.1 ± 6.2	62.7 ± 5.7	61.5 ± 5.9	0.21						
	Shell Width (mm)	27.6 ± 3.4	27.9 ± 3.9	29.9 ± 3.5	26.4 ± 3.2	28.3 ± 3.6	29.5 ± 3.7	0.49						
	Fan Ratio	0.81 ± 0.1	0.76 ± 0.1	0.79 ± 0.1	0.78 ± 0.1	0.80 ± 0.06	0.76 ± 0.1	0.02	0.03	0.24	0.28	0.43	0.28	0.04
	Cup Ratio	0.39 ±	0.36 ±	0.38 ±	0.36 ±	0.36 ±	0.36 ±	0.17						
Final Harvest	Shell Height (mm)	82.7 ± 9.1 a	92.7 ± 8.3 b	93.4 ± 10.4 b	87.1 ± 8.3 a	91.3 ± 9.8 a	90.9 ± 8.8 a	0.05	0.00	0.00	0.92	0.06	0.20	0.97
	Shell Length (mm)	65.0 ± 6.8	68.4 ± 8.2	68.9 ± 8.2	67.2 ± 6.4	67.0 ± 7.5	67.5 ± 7.5	0.12						
	Shell Width (mm)	31.7 ± 3.6	33.9 ± 3.7	32.9 ± 4.5	33.1 ± 4.5	33.0 ± 4.6	33.4 ± 3.7	0.06						
	Fan Ratio	0.79 ± 0.1	0.74 ± 0.1	0.74 ± 0.1	0.78 ± 0.1	0.74 ± 0.1	0.75 ± 0.1	0.67						
	Cup Ratio	0.38 ± 0.0	0.37 ± 0.0	0.36 ± 0.1	0.38 ± 0.1	0.36 ± 0.1	0.37 ± 0.0	0.18						
	Total Weight-Wet (g)	108.8 ± 21.5 a	133.8 ± 26.5 b	127.7 ± 32.5 b	113.6 ± 25.0 a	119.8 ± 29.3 a	123.9 ± 29.7 a	0.04	0.09	0.09	0.97	0.58	0.73	0.27
	Defouled Wet Weight (g)	104.6 ± 23.3	124.2 ± 24.0	105.2 ± 27.6	94.9 ± 16.8	99.9 ± 24.2	98.4 ± 21.4	0.24						
	Meat Weight-Wet (g)	18.1 ± 5.0	20.9 ± 5.2	16.6 ± 5.6	16.7 ± 3.7	15.2 ± 5.0	15.4 ± 4.2	0.06						
	Meat Weight-Dry (g)	2.4 ± 0.6 ab	2.4 ± 1.0 a	1.9 ± 0.8 b	2.4 ± 0.6 a	2.0 ± 0.8 a	1.6 ± 0.6 a	0.00	0.30	0.15	0.01	0.32	0.07	0.45
	Condition Index	10.9 ± 3.4	9.7 ± 2.7	7.2 ± 2.0	11.9 ± 2.7	9.3 ± 3.0	7.1 ± 2.3	0.36						
	Biofouling on Oyster (g)	3.4 ± 4.4	13.6 ± 6.7	16.4 ± 9.2	9.5 ± 6.3	17.9 ± 7.8	20.0 ± 6.5	0.67						
	Biofouling on Oyster (%)	2.8 ± 1.1	10.9 ± 0.7	14.0 ± 1.0	9.4 ± 1.2	16.9 ± 0.5	19.2 ± 0.4	0.09						
	Biofouling on Bag (%)	48.1 ± 0.3 a	69.4 ± 0.5 b	69.0 ± 0.6 b	64.8 ± 0.2 a	66.8 ± 0.5 a	69.4 ± 0.2 a	0.03	0.00	0.00	0.99	0.88	0.55	0.80
	Survival (%)	85.5 ± 0.1	86.2 ± 0.1	91.8 ± 0.1	90.6 ± 0.1	90.6 ± 0.2	91.2 ± 0.1	0.78						

* Parameter values with different letters indicate significant differences ($p<0.05$) among flipping regimes and bag position.

** Statistical tests to determine significant differences among multiple treatment averages. If $p>0.05$ for the Anova test, then the post hoc Tukey test is not applied.