

Table 3. Fish stocking, growth and harvest variables as influenced by tank to biofilter ratio and experiment.

Biofilter ratio (v/v)	Stocking data			Growth data					Harvesting data		
	Pm _i (g)	n (n m ⁻³)	B _i (kg m ⁻³)	G (g d ⁻¹)	MSG (%)	DRIB (%)	Increase (kg/m ³)	FCR 1 :	Pm _f (g)	B _f (kg m ⁻³)	M (kg d ⁻¹)
<i>a) Experiment 1, Laura tomato in the biofilters</i>											
1: 0.67	15.4	75.2	1.11	1.72	385.8	2.52	13.34	1.51	204.5	14.76	3.9
1: 1.00	14.3	77.3	1.25	1.98	405.9	2.57	15.74	1.29	227.6	16.82	4.0
1: 1.50	14.5	76.2	1.11	1.86	420.4	2.61	14.58	1.40	216.4	15.66	4.1
1: 2.25	15.1	78.2	1.09	1.99	469.3	2.71	16.03	1.27	217.3	16.73	4.2
LSD (P= 0.05)	NS	NS	NS	0.21	NS	NS	2.35	NS	NS	1.95	0.1
<i>b) Experiment 2, Fidello cucumber in the biofilters</i>											
1: 0.67	277.2	20.5	5.94	1.62	53.1	0.46	5.71	3.20	453.7	8.80	1.0
1: 1.00	244.5	24.5	5.95	1.89	59.4	0.60	7.82	2.16	406.7	9.86	1.1
1: 1.50	266.3	22.8	5.91	2.11	62.3	0.65	8.74	1.93	454.5	10.28	1.1
1: 2.25	250.5	22.8	5.76	2.23	63.0	0.66	8.67	2.03	452.3	10.10	1.1
LSD (P= 0.05)	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.04	0.1
<i>c) Experiment 3, Kewalo tomato in the biofilters</i>											
1: 0.67	440.0	20.5	8.80	1.80	35.8	0.33	5.16	2.83	652.0	13.67	1.1
1: 1.00	421.4	20.1	8.83	1.93	36.4	0.35	5.57	2.59	715.7	13.93	1.1
1: 1.50	438.0	19.6	8.72	1.99	36.6	0.35	5.35	2.74	711.2	13.85	1.1
1: 2.25	438.3	20.4	8.55	2.06	38.1	0.38	5.16	2.87	689.2	14.10	1.1
LSD (P= 0.05)	NS	NS	NS	NS	NS	NS	NS	NS	40.5	NS	0.1

Pm_i : mean individual weight at stocking

n : number of fish

B_i : mean biomass at stocking

G: average growth rate of individual fish during the culture period

MSG : average monthly specific growth rate

DRIB : daily rate of increase of the biomass calculated from $B_f = B_i (1 + i)^n$ where n= interval in days and $i = (DRIB/100)$

FCR : Feed conversion ratio

Pm_f : mean weight at harvest

B_f : mean biomass at harvest

MP : average monthly production: (B_f - B_i) observed and recalculated on a 30.4-day basis)

NS : Nonsignificant