|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | | | |
|  | **control** | | **2.9 μg/L** | | **5.2 μg/L** | | **10.3 μg/L** | | **19.8 μg/L** | | **102 μg/L** | |
| **FECUNDITY (eggs per pair-day)** | | | | | | | | | | | | |
| F0 | 37.0  (34.8-39.2) | | 33.5  (31.0-36.1) | | 37.7  (35.1-40.2) | | 33.1  (30.6-35.7)  0.122 | | 25.8  (23.2-28.3)  0.007 | | 18.3  (15.7-20.8)  0.001 | |
| F1 | 38.9  (36.8-41.0) | | 34.5  (32.3-36.7)  0.031 | | 34.7  (32.5-36.9)  0.001 | | 26.0  (23.7-28.2)  0.001 | | 11.8  (9.6-14.0)  0.001 | | 11.5  (9.3-13.7)  0.001 | |
| **PERCENT FERTILE** | | | | | | | | | | | | |
| F0 | 92%  (86%-99%) | | 91%  (78%-105%) | | 95%  (93%-97%) | | 92%  (85%-98%)  0.08 | | 84%  (68%-100%)  0.018 | | 53%  (23%-82%)  0.001 | |
| F1 | 89%  (83%-95%) | | 88%  (75%-100%) | | 91%  (88%-94%)  0.26 | | 85%  (80%-91%)  0.013 | | 76%  (58%-94%)  0.002 | | 67%  (53%-82%)  0.001 | |
| **PERCENT HATCH** | | | | | | | | | | | | |
| F1 | 73%  (63%-83%) | | 82%  (64%-99%) | | 63%  (49%-76%)  0.224 | | 55%  (28%-82%)  0.04 | | 29%  (13%-46%)  0.001 | | 25%  (13%-38%)  0.001 | |
| F2 | 92%  (87%-97%) | | 89%  (77%-101%)  0.385 | | 60%  (29%-91%)  0.014 | | 51%  (25%-77%)  0.001 | | 37%  (12%-61%)  0.001 | | 33%  (11%-54%)  0.001 | |
| **TIME-TO-HATCH (days post fertilization)** | | | | | | | | | | | | |
| F1 | 11.5  (10.8-12.2) | | 11.4  (10.6-12.2) | | 12.5  (11.3-13.6) | | 13.1  (11.1-15.0)  0.1 | | 14.9  (13.3-16.7)  <0.0004 | | 15.4  (11.6-19.3)  <0.0004 | |
| F2 | 8.5  (8.4-8.7) | | 9.8  (9.2-10.3)  <0.0004 | | 10.6  (10.0-11.2)  <0.0004 | | 10.7  (10.3-11.1)  <0.0004 | | 12.4  (10.9-13.8)  <0.0004 | | 13.3  (12.3-14.5)  <0.0004 | |
|  | | | | | | | | | | | | |
|  | **control** | | **2.9 μg/L** | | **5.2 μg/L** | | **10.3 μg/L** | | **19.8 μg/L** | | **102 μg/L** | |
|  | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** | **XX** | **XY** |
| **FINAL ADULT WEIGHT (mg)** | | | | | | | | | | | | |
| F0 | 460  (458-462) | 421  (418-423) | 442  (440-445) | 416  (414-419) | 395  (392-397) | 415  (413-418) | 417  (415-420) | 375  (372-378) 0.08 | 436  (434-439) | 345  (342-347)  0.007 | 415  (412-418) 0.109 | 324  (321-327) 0.001 |
| F1 | 610  (608-612) | 362  (360-364) | 546  (545-548) 0.065 | 385  (383-387) | 444  (442-446) 0.001 | 324  (322-326) 0.138 | 328  (326-330) 0.001 | 246  (244-249) 0.001 | 255  (253-258) 0.001 | 154  (152-156) 0.001 | 221  (218-223) 0.065 | 172  (169-174) 0.001 |
| **GROWTH during F0 REPRODUCTION ASSESSMENT** | | | | | | | | | | | | |
| Length (mm) | 4  (3,5) | 3  (2,3) | 3  (1,6) | 3  (1,4) | 3  (2,4)  0.136 | 3  (1,4)  0.326 | 2  (1,3)  0.007 | 1  (1,2)  0.013 | 2  (1,3)  0.001 | 1  (0,2)  0.001 | 1  (1,2)  0.001 | 1  (0,1)  0.001 |
| Weight (mg) | 45  (6,83) | 20  (-6,47) | 14  (-53,80) 0.354 | 3  (-34,40) | -39  (-63, -14) 0.018 | 32  (-7,70) | -50  (-81, -19) 0.002 | -11  (-24,3) 0.147 | -52  (-91, -12) 0.001 | -76  (-135, -15) 0.001 | -33  (-114,47) 0.002 | -73  (-109, -36) 0.01 |
| **SUBADULT WEIGHT (mg)** | | | | | | | | | | | | |
| F1 | 319  (317-321) | 247  (245-249) | 282  (279-284) 0.004 | 220  (218-222) 0.202 | 218  (216-220) 0.001 | 175  (173-178) 0.001 | 161  (159-163) 0.001 | 123  (121-125) 0.001 | 98  (96-100) 0.001 | 90  (88-92) 0.001 | 101  (98-103) 0.001 | 98  (96-100) 0.001 |
| **FINAL ADULT LENGTH (mm)** | | | | | | | | | | | | |
| F0 | 35.2  (33.0-37.5) | 35.1  (32.9-37.3) | 35.6  (32.8-38.4) | 35.1  (32.6-37.7) | 34.0  (31.4-36.6) | 34.7  (32.1-37.2) 0.308 | 34.4  (31.6-37.2) | 33.5  (30.9-36.1) 0.039 | 34.8  (32.3-37.4) 0.209 | 32.5  (29.9-25.1) 0.002 | 32.9  (30.0-35.6) 0.024 | 32.7  (30.1-35.2) 0.001 |
| F1 | 36.9  (34.8-38.9) | 34.6  (32.5-36.7) | 36.4  (34.2-38.6) 0.343 | 35.3  (33.0-37.5) | 34.2  (32.0-36.4) 0.001 | 33.2  (31.0-35.4) 0.061 | 30.8  (28.6-33.0) 0.001 | 29.5  (27.2-31.8) 0.001 | 27.8  (25.6-30.0) 0.001 | 26.2  (24.0-28.4) 0.001 | 27.9  (25.7-30.1) 0.001 | 25.9  (23.7-28.1) 0.001 |
| **SUBADULT LENGTH (mm)** | | | | | | | | | | | | |
| F1 | 28.3  (26.3-30.3) | 27.0  (25.0-29.1) | 27.3  (25.2-29.3) 0.011 | 26.2  (24.1-28.2) 0.156 | 25.2  (23.1-27.2) 0.001 | 24.1  (22.0-26.2) 0.001 | 22.5  (20.5-24.6) 0.001 | 21.7  (19.6-23.7) 0.001 | 19.5  (17.4-21.6) 0.001 | 19.1  (17.0-21.1) 0.001 | 18.6  (16.5-20.7) 0.001 | 18.8  (16.6-20.9) 0.001 |
|  | **ADULT ANAL FIN PAPILLAE (number per fish)** | | | | | | | | | | | |
| F1 | 0 | 89  (87-91) | 0 | 96  (94-98) | 0 | 89  (86-91) 0.602 | 0 | 72  (69-74) 0.031 | 0 | 64  (62-66) 0.001 | 0 | 54  (52-56) 0.001 |
|  | **SUBADULT ANAL FIN PAPILLAE (number per fish)** | | | | | | | | | | | |
| F1 | 0 | 76  (74-78) | 0 | 76  (74-78) | 0 | 72  (70-74) 0.569 | 0 | 47  (45-49) 0.005 | 0 | 33  (31-35) 0.001 | 0 | 25  (23-28) 0.001 |

Mean (95% confidence interval) p value